FISHERIES OF THE UNITED STATES...1967

UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. FISH AND WILDLIFE SERVICE

BUREAU OF COMMERCIAL FISHERIES

C.F.S. No. 4700

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UNITED STATES DEPARTMENT OF THE INTERIOR
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BUREAU OF COMMERCIAL FISHERIES

FISHERIES OF THE UNITED STATES...1967

by
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Washington, D.C. 20240
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The data used in this publication were prepared under the direction of Charles H. Lyles. The material was prepared for publication by the staff of the Branch of Fishery Statistics under the supervision of Frank Riley, Supervisory Fishery Reporting Specialist.

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REVIEW

United States fishermen took a catch of 4,062 million pounds of fish and shellfish in 1967 which they sold for $438 million--the third highest dollar value in history. The value was $34 million below the 1966 record of $472 million, but 16 percent above the previous 10-year average. The volume was 303 million pounds or 7 percent less than in 1966 and the smallest domestic catch since 1942. (Record catch--5,354 million pounds in 1962).

A disastrous Pacific salmon season and a sharp decline in the catch of Atlantic and Gulf menhaden were among the principal reasons for the 1967 productivity of the commercial fisheries being less than in the previous year. There were also serious declines in the catches of haddock, whiting, flounders, Atlantic ocean perch, blue crabs, king crabs, and sea scallops; and a falling off in production of scup, Pacific herring, mackerel and clams. A record catch of shrimp; the largest tuna landings since 1956; and increases in the catches of Pacific hake, alewives, anchovies, Atlantic cod, and oysters helped to offset the lower landings in other fisheries.

Fishermen were paid a high average of 10.79 cents per pound in 1967 just below the record 10.82 cents per pound paid in 1966. Average prices paid to fishermen, as measured by the index, Indexes of Exvessel Prices Received by Fishermen (see page 56) were down 2 percent from 1966, but were 14 percent above the 1957-59 average. The index for all finfish prices declined 5 percent in 1967 owing to a falling off in tuna and industrial fish prices. Salmon rose moderately in 1967 and New England finfish prices advanced fractionally. The decline in shrimp prices was more than offset by the sharp increase in prices for all other shellfish and the index for all shellfish prices rose 4 percent in 1967.

The 1967 value of processed fishery products produced in this country was about 4 percent less than the 1966 record of $1.2 billion. One of the smallest canned salmon packs in history caused the total value of canned products to drop from $564 million in 1966 to $519 million--about 8 percent. However, many other segments of the canning industry had a relatively prosperous year. There were record packs of whole and minced clams and pet food; excellent packs of shrimp and tuna; and larger packs of tunalike fishes, alewives, and oysters. The fish stick and portion industry established a new volume record although the average value per unit was slightly less than in 1966. Production of breaded shrimp was below that of the previous year, but was the third highest year in volume and second in value. Fillet and steak production was down from 166 million pounds in 1966 to 153 million pounds in 1967, but processors of fish and shellfish speciality dinners and other packaged fish and shellfish products produced in greater volume than in previous years.

There was an enthusiastic demand throughout 1967 for some canned products, and fresh and frozen shellfish items such as crabs, lobsters, scallops, and shrimp. But, it was a difficult year with delicate marketing problems for other segments of the fishing industry. The year began with heavy inventories of frozen fish sticks, portions, fillets, and steaks. Halibut, whiting, and shrimp were among the more plentiful seafoods. Sales of fishery products were not helped when Bishops of the Roman Catholic Church announced the end of meatless Fridays late in 1966. Stocks of many items moved slowly in 1967 and replacement supplies entered the trade at a lower volume than in the previous year. The 1967 domestic catch of edible fishery products, imports of seafood items for human consumption, and processor's output of many fishery food products were well below those produced in 1966. However, the 1967 ending inventories of edible fishery products were also well below the level of a year earlier; the quantity consumed in 1967 was about the same as in 1966; and per capita consumption remained on about the same level in both years--10.6 pounds of edible meat.

REVIEW

HIGHLIGHTS

RECORDS ESTABLISHED

- CATCH
  - Shrimp --- 312.2 million pounds. . . . . .(previous high, 1954 -- 268.3 million pounds).
  - World --- 125.2 billion pounds in 1966. . . . . .(previous high, 1965 -- 117.5 billion pounds).
- PROCESSED FISHERY PRODUCTS
  - Fish portions --- 158.4 million pounds. . . . . .(previous high, 1966 -- 147.6 million pounds).
  - Clams, whole and minced, canned --- 681,395 cases. . . . . .(previous high, 1965 -- 611,682 cases).
  - Animal food, canned --- 9.8 million cases. . . . . .(previous high, 1960 -- 8.8 million cases).
- IMPORTS
  - All fishery products --- 10.1 billion pounds (live-weight). . . . . (previous high, 1966 -- 8.1 billion pounds).
  - Industrial fishery products --- 7.4 billion pounds (live-weight). . . . . (previous high, 1966 -- 5.2 billion pounds).
  - Shrimp --- 186.1 million pounds, import weight; 202.7 million pounds, heads-off basis. . . . . .(previous high, 1966 -- 178.5 million pounds, import weight; 194.9 million pounds, heads-off basis).
  - Fish meal --- 651,486 tons. . . . . .(previous high, 1966 -- 447,784 tons).
- EXPORTS
  - Shrimp, domestic, fresh and frozen --- 8.1 million pounds. . . . . (previous high, 1963 -- 8.0 million pounds).
  - Shrimp, domestic, canned --- 5.3 million pounds. . . . . .(previous high, 1965 -- 4.5 million pounds).
  - Squid, domestic, canned --- 12.8 million pounds. . . . . .(previous high, 1965 -- 11.9 million pounds).

REVIEW

- SUPPLY (Domestic production plus imports)
  - All fishery products --- 14.2 billion pounds (live weight basis). . . . . (previous high, 1966 -- 12.5 billion pounds).
  - Industrial fishery products --- 9.1 billion pounds (live-weight basis). . . . . .(previous high, 1964 -- 7.2 billion pounds).
  - Shrimp --- 394.7 million pounds, heads-off basis. . . . . .(previous high, 1966 -- 343.2 million pounds, heads-off basis).
  - Fish meal --- 863,000 tons. . . . . .(previous high, 1964 -- 674,395 tons).

OTHER IMPORTANT FACTS

- Domestic shrimp fishermen were paid a record $103 million for their catch, the first domestic fishery to exceed an annual level of $100 million. Shrimp accounted for 24 percent of the total paid for all species.
- The menhaden catch of 1.2 billion pounds accounted for 29 percent of the total United States catch of all species.
- Louisiana led all States in volume of catch --- 643.3 million pounds --- followed by California, 504.3 million pounds --- Alaska, 369.0 million pounds --- Virginia, 349.4 million pounds --- and Massachusetts, 344.6 million pounds.
- California led all States in value of catch --- $50.5 million --- followed by Texas, $49.8 million --- Alaska, $47.0 million --- Massachusetts, $38.8 million --- and Louisiana, $37.3 million.
- Landings of Pacific sardines were the lowest on record. Alaska salmon was the smallest since 1899; Pacific herring, since 1907; Pacific mackerel, since 1916; haddock, since 1921; Atlantic menhaden, since 1942; sea scallops, since 1945; and United States and Canadian halibut, since 1945.
- United States foreign trade in fishery products was valued at $769 million in 1967--$36 million less than in 1966. Imports for consumption were valued at $687 million compared with $720 million in the previous year. The value of exports dropped from $85 million to $82 million in 1967.
- For the 19th consecutive year, San Pedro led all other domestic fishing ports in value of the catch ($28.6 million).

REVIEW

- The number of fishery cooperatives in the United States was 95 in 1967. There were 10,421 members who operated or owned a total of 7,651 craft.

- The Bureau of Customs reported 869 vessels obtained documents as fishing vessels in 1967 --- the largest number since 1949. Of this total, 646 vessels were built in 1967 for commercial fishing and 72 were completed in 1966, but did not obtain documents until 1967. There were 151 older vessels converted to fishing in 1967.

- Foreign vessels, principally Russian and Japanese, intensified their fishing on the high seas off United States coasts in 1967. However, while these foreign fleets were taking more fish and shellfish just off our coasts, the United States catch on high seas off foreign coasts declined from 464 million pounds in 1960 to 396 million pounds in 1967.

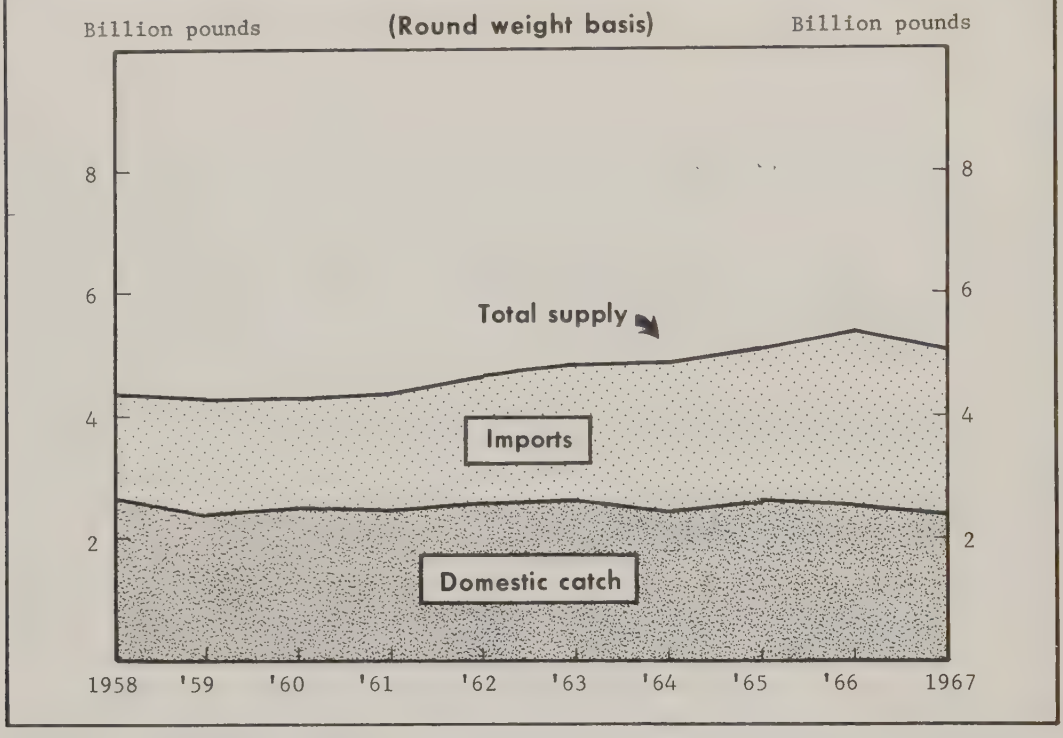
- Peru was the world leader in total fishery landings in 1966 followed by Japan, China (Mainland), Union of Soviet Socialist Republics, Norway, and the United States.

- Japan led all nations in per capita consumption of fishery products with 61.1 pounds of edible meat --- followed by Portugal, 49.9 pounds --- Denmark, 46.7 pounds --- Sweden, 45.9 pounds --- Norway, 44.3 pounds --- and the Philippines, 36.2 pounds. The per capita consumption of fishery products in the United States was 10.6 pounds of edible meat in 1967.

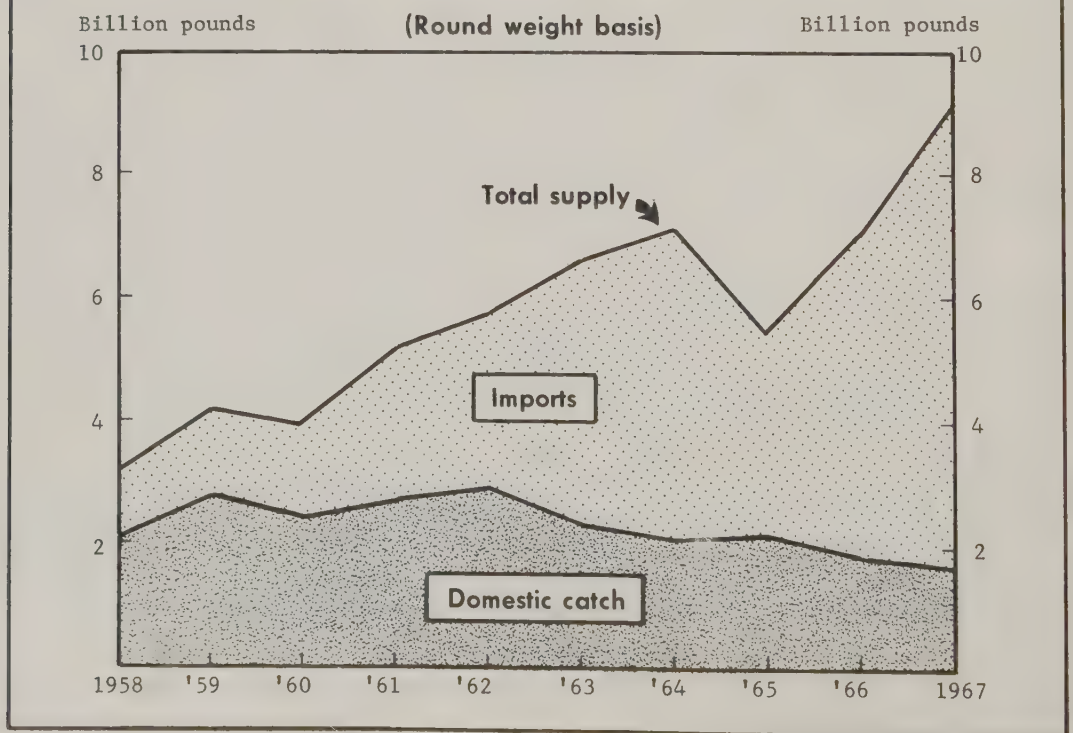
- During the 90th Congress, the following legislative actions affecting commercial fisheries became public law: A section was included in the Foreign Assistance Act (P.L. 90-137) to authorize the conduct of a program designed to demonstrate the potential and encourage the use of fish and other protein concentrates as a practical means of reducing nutritional deficiencies in less developed countries and areas; the Marine Resources and Engineering Development Act of 1966 (P.L. 90-242) was amended to extend by 6 months the period of time within which the Commission on Marine Science, Engineering, and Resources is to submit its final report; and P.L. 90-224 that authorizes the extension of certain naval vessel loans now in existence and permits certain new loans. In enacting the extension, the Congress provided that for a new loan or for an extension of a loan executed pursuant to the act shall be subject to the condition that the agreement will be immediately terminated upon a finding made by the President that the country with which such agreement was made has seized any United States fishing vessel on account of its fishing activities in international waters.

- In 1967, about 2.4 billion pounds of the domestic catch of fishery products was used directly as human food. It was estimated that the 1967 domestic catch was marketed as follows: 1,649 million pounds (round weight) as fresh and frozen, 942 million pounds for canning, 76 million pounds for cured products, and 1,395 million pounds for manufacture into industrial products.

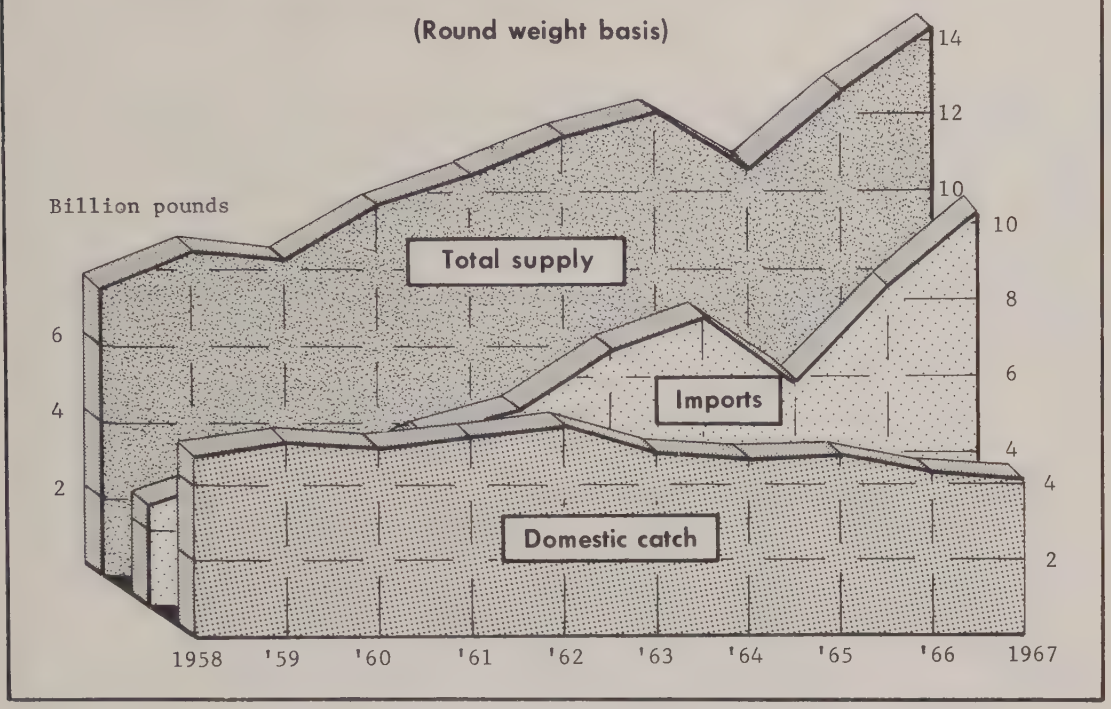
U.S. SUPPLY OF FISHERY PRODUCTS FOR HUMAN FOOD, 1958-67



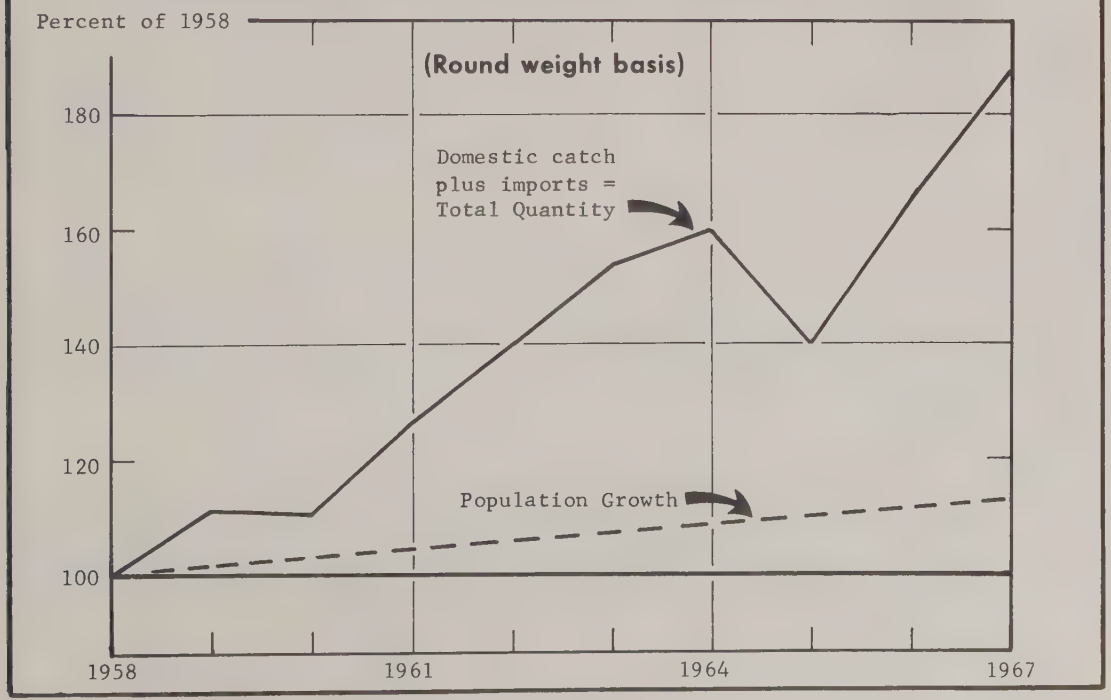
U.S. SUPPLY OF FISHERY PRODUCTS FOR INDUSTRIAL USE, 1958-67



U.S. TOTAL SUPPLY OF FISHERY PRODUCTS, 1958-67



TOTAL QUANTITY OF FISHERY PRODUCTS COMPARED WITH POPULATION GROWTH, 1958-67



- Menhaden. . . . . .Landings of menhaden, the principal species taken by Atlantic and Gulf fishermen (29 percent of the total catch of all species in 1967) yielded a catch of 1.2 billion pounds. Landings were 142 million pounds or 11 percent less than in the previous year; nearly 1 billion pounds or 46 percent under the 1961-65 average of 2.1 billion pounds; and 50 percent below the 1962 record catch of 2.3 billion pounds. Landings from the Atlantic Ocean (466 million pounds) were the smallest since 1942. Menhaden were very scarce north of Chesapeake Bay and most processing plants in that area did not operate in 1967. Fairly good catches were taken during the fall season off North Carolina, but total landings from the fall fishery were less than last year. Over 60 percent of the total 1967 landings were taken from the Gulf of Mexico although the catch of 700 million pounds was the smallest since 1958. Lower prices paid the fishermen for menhaden, caused by heavy imports of relatively low-priced fish meal and the acute shortage of menhaden available to fishermen, caused low and uncertain crew earnings that created problems in recruiting vessel crews. Young menhaden continued scarce along both the Atlantic and Gulf Coasts indicating a poor year class of fish entering the fishery in 1968.

- Salmon. . . . . .The disastrous 1967 catch of Pacific salmon (206 million pounds) was the second smallest of the 20th century. There was a significant increase in landings in Washington and Oregon, but the catch in Alaska was the smallest since 1899. Total landings of Pacific salmon were 181 million pounds or 47 percent less than in the previous year and well below the 1961-65 average of 320 million pounds. The 1967 pack of salmon was one of the smallest in history.

  In Alaska, a general failure of runs of all species to all major districts plagued the industry and brought economic hardship to those depending on the salmon fisheries. A near-average season had been forecasted for most points, but what developed was a near disaster. Red salmon runs to Bristol Bay were only meager and there was a general failure of pink salmon runs in virtually all areas. Fishing in Prince William Sound proved even worse than pessimistic forecasts and in Southeast Alaska, where normal runs had been expected, canneries closed early when the runs failed.

  In Washington and Oregon, salmon production was quite good, being substantially better than in 1966. There was an exceptionally fine run of pink and sockeye salmon to Puget Sound and the salmon pack increased from 265,000 cases in 1966 to 501,000 cases in 1967. Off Oregon, the commercial troll fishery took a record catch of silver salmon that went mostly into the fresh and frozen trade.

- Tuna. . . . . .The catch of tuna landed in continental United States and Hawaii was 329 million pounds valued at nearly $45 million. This was an increase of nearly 60 million pounds or 22 percent in volume and the largest catch since 1956. Average prices paid to fishermen were less in 1967 than in 1966 and fishermen

realized almost the same amount paid for their lower 1966 catch. All species of tuna (except bluefin) were taken in larger volume than in the previous year. Landings of skipjack increased from 60.6 million pounds in 1966 to 119.6 million pounds and yellowfin, 133.1 million pounds to 142.1 million pounds. Excellent skipjack catches prevailed throughout the year and especially after the 1967 yellowfin restrictions were put into effect. Bluefin tuna catches dropped drastically in 1967. Albacore fishing was poor off California but record catches were taken off the Pacific Northwest. Recommendations by the Inter-American Tropical Tuna Commission for a catch limit (quota) of 84,500 short tons for 1967 were adopted by the United States. The fishery closed on June 24th and remained closed until December 31st in the Regulatory Area off California to the central coastline of Chile.

The total supply of canned tuna in 1967 (U.S. pack from domestic catch plus U.S. pack from imported tuna and imported canned) amounted to 454 million pounds approaching the 1966 record of 456 million pounds. Imports of fresh and frozen tuna were down in 1967 and 40 percent of the U.S. supply was packed from the domestic catch compared with only 34 percent in 1966. Canned tuna prices remained relatively low--a factor which, with the increasing popularity of tuna, has resulted in a rising volume of consumption.

- Groundfish. . . . . .The Atlantic fishery for groundfish (cod, cusk, haddock, ocean perch, pollock, and white hake) yielded a catch of only 225 million pounds--41 million pounds or 15 percent less than in 1966 and one of the poorest years on record. Even with extremely light catches, the average 1967 prices paid to fishermen were less than paid in 1966. The lower average prices and smaller catches resulted in a lower average gross value per trip and in some cases, larger vessels were tied up because of difficulty in obtaining crews. Except for cod landings which were better than in the last three years, all other groundfish species were landed in lighter volume. Haddock landings (98.5 million pounds) were down 34 million pounds and the smallest catch since 1921. Ocean perch landings were 10.1 million pounds less than the 81.6 million pounds taken in 1966 and the lowest landings since 1938. The decline in haddock landings in the North Atlantic was due to a decreased abundance of fish, primarily on Georges Bank. The lower stocks resulted not only from natural causes, but also from heavy fishing by foreign fleets in 1965 and 1966. The fishery had been dependent almost entirely upon the 1963-year class. There has been very poor survival of spawn since then, and recovery of depleted stocks is not expected within the next few years. Unlike haddock, the smaller landings of ocean perch resulted from decreasing fishing effort caused by poor marketing conditions. Abundance of ocean perch increased in the Gulf of Maine. However, processors were reluctant to handle these fish because of the high incident of parasites.

- Herring, sea. . . . . .The catch of Atlantic sea herring was 69.3 million pounds valued at $1.6 million compared with the 1966 catch of 72.3 million pounds valued at $1.4 million.

  In Maine where sea herring are used principally in the canning of "sardines," landings totaled 64.6 million pounds. This was a little better than the 58.3 million pounds landed in 1966, but still one of the poorest catches since 1940. Fishing was not good in western Maine and most of the production came from the central area of the State. Imports of fresh sea herring from Canada (120.2 million pounds) were less than in 1966, but more of the imports were used in producing canned sardines. This helped canners to overcome the dwindling domestic supply of fish and maintain production to meet market demands.

  A novel development occurred in the offshore Atlantic sea herring fishery late in 1967. Large Canadian purse seiners caught sea herring just outside the United States 3-mile limit and pumped the catch aboard domestic carrier vessels. The carriers then delivered the fish to domestic fish meal plants. The sea herring were classed as duty-free imports as dictated by Customs regulations.

  The Pacific Coast catch of sea herring (used entirely in the processing of fish meal and oil or as bait) was only 15.8 million pounds or 8 million pounds less than in 1966 and 28.5 million pounds less than the 1961-65 average of 44.3 million pounds. In Alaska, where most of the catch was taken in previous years, landings were less than 10 million pounds--the smallest catch since 1907.

- Flounders. . . . . .The catch of Atlantic and Gulf flounders totaled 110.9 million pounds valued at $13.6 million. Compared with 1966, landings were down nearly 17 million pounds and $3 million. Demand for yellowtail flounders, the principal species, was generally light all year and average exvessel prices were lower than in 1966. Small fish were most abundant in 1967 and discards at sea were very high. It appears that the small size was one of the reasons for lower prices. The outlook for this fishery is good with an increasing abundance due to rather strong 1964 and 1965-year classes. The upward trend in abundance is expected to continue through 1968 and yellowtail flounders will be larger in size.

- Whiting. . . . . .Landings of whiting were 69.6 million pounds valued at $2.2 million. The catch was nearly 21 million pounds less than the 90.4 million pounds taken in 1966 and the lowest landings since 1950. The 1967 catch was not only smaller, but cheaper prices were paid to fishermen. Although there has been a reported decrease in abundance of whiting, increased fishing effort would have taken a larger catch had not marketing problems been involved. On January 1, 1967, holdings of headed and dressed whiting were very heavy and perhaps the highest-priced inventory of whiting on record. This occurred at a time when there was an overall weakening in the frozen fish market. There was also considerable competition from a similar foreign product imported and sold in this country as Argentina whiting. Because of difficulty in moving the 1966 stocks, the 1967 season was delayed until June and then slowed down for a time over exvessel price disputes with processors.

REVIEW

- Mackerel, jack and Pacific. . . . . .The combined landings of jack and Pacific mackerel totaled 39.5 million pounds--6 million pounds less than taken in 1966 and the smallest catch since 1932. Landings of jack mackerel (38.3 million pounds) were the lowest since 1958 and well below the 1961-65 average of 87.9 million pounds. The catch of Pacific mackerel was only 1.2 million pounds--the poorest since 1916 and only a fraction of the 1961-65 average of 33.4 million pounds. There was a loss of about two month's fishing because of contract negotiations with vessel owners, but this was only a small factor in the lower catches. Mackerel were just not found in the commercial abundance available to the fleets in previous years. Because of the lower mackerel catches, fishing effort was diverted to the anchovy, bluefin tuna, and bonito fisheries. Until 1964, the domestic industry supplied most of the canned mackerel consumed in this country. However, as domestic catches and canned production fell off, imports increased to fill well over 50 percent of the domestic market for canned mackerel.

- Halibut, Pacific. . . . . .United States and Canadian fishermen landed 55.7 million pounds (dressed weight) of halibut in 1967 and failed for the first time since 1947 to reach the annual quota set by the International Pacific Halibut Commission. The total catch was the lowest since 1945. The Canadian fleet took only 25.7 million pounds (the smallest since 1957) and domestic fishermen, 30 million pounds--the lowest in many years (perhaps since early in the century). There were a number of reasons for the poor 1967 catch. A strike by Canadian fishermen early in the season kept their fleet inactive for an extended period when production would have been good. Imports of flounders from Eastern Canada into the United States were marketed as Greenland halibut at much lower retail prices. Such imports together with a general weakening of the domestic frozen fish market depressed the price structure of Pacific halibut and much lower exvessel prices prevailed throughout 1967. Many vessels left the halibut fishery to fish for more profitable species including salmon, king crab, and albacore.

- Sardines, Pacific. . . . . .The Pacific sardine fishery, once known as the largest fishery of the United States (over 1.5 billion pounds taken in 1936) yielded a catch of only 100,000 pounds in 1967--the lowest catch on record. A bill passed by the California Legislature early in 1967 established a 2-year moratorium on the taking of sardines in California waters, excepting an allowable 15 percent tolerance for sardines taken incidentally in fishing for mackerel.

- Anchovies. . . . . .California landings of anchovies totaled 69.6 million pounds in 1967--somewhat larger than the 62.3 million pounds taken in 1966. Landings would have been larger but the southern California anchovy fleet was inactive from September to the end of the year due to exvessel price disputes with reduction plant owners. The anchovy fishery for reduction is controlled and scientifically monitored by the State. The first experimental anchovy reduction fishery was established in 1965 and the 1967-68 season was the third consecutive year that the fishery has been carried on. In past years anchovies had been used almost entirely for canning.

- Shrimp. . . . . .United States fishermen took a record catch of 312 million pounds of shrimp in 1967 and were paid a record $103 million. Compared with 1966, landings were 31 percent larger and although average prices paid to fishermen were lower in 1967, the tremendous increase in catch brought the total value to a new high--the first domestic fishery to exceed $100 million. All areas showed substantial gains over the previous year except the South Atlantic States which held at about the 1966 level. The Gulf States catch was just slightly below its 1964 record. Brown shrimp landings were a record and the total catch of all species might have surpassed that taken in 1964 had it not been for a hurricane in September during the peak fishing season. A record Maine catch was nearly double that of 1966 and the New England catch would have been even higher if there had been better markets. On the Pacific Coast, shrimp landings rose sharply over the previous year mainly because of the continuing growth of the Alaska shrimp fishery. Imports of shrimp were larger than ever in 1967 and the total United States supply of shrimp on a heads-off basis reached a record 395 million pounds. Such production and supply trends can only attest to the continue rising demand for shrimp in this country.

- Sea scallops. . . . . .Landings of sea scallop meats were at the lowest level since 1945. Landings totaled only 10.2 million pounds compared with 16.0 million pounds in 1966. Imports (mostly from Canada) amounted to 13.5 million pounds--somewhat less than the 16.7 million pounds imported last year. The total supply available for domestic consumption (domestic catch plus imports) fell off from 36.3 million pounds in 1966 to 23.7 million pounds in 1967--a decrease of 35 percent. The sharp drop in supplies had a drastic affect on prices pushing them up to all time highs. The average price per pound paid to fishermen increased from 47.7 cents in 1966 to 76.5 cents in 1967 and by late 1967 the price paid to fishermen spiraled past the $1.26-a-pound mark. Fishermen received $7.8 million for a 10.2 million pound catch in 1967--in 1966, they were paid $7.6 million for a 16.0 million pound catch. The lower catches resulted from a decline in abundance of sea scallops on Georges Bank and the Middle Atlantic grounds. There has also been competition by Canadian vessels that operate on the same grounds as domestic fishermen and export their catches to the United States.

- Crabs, blue. . . . . .The Atlantic and Gulf catch of blue crabs was 142.2 million pounds--24.6 million pounds less than taken in 1966, and 9 percent below the 1961-65 average of 156 million pounds. Fishing for blue crabs along the Atlantic and Gulf Coasts was not as good as in the previous year. The problem of obtaining skilled labor to extract the meat remains a most pressing problem. Mechanical means of accomplishing this have been used, but have not yet been perfected.

- Crabs, Dungeness. . . . . .Pacific Dungeness crab fishing was off slightly in 1967. Landings of 38.8 million pounds were below the 39.7 million pounds taken in 1966, but well above the 1961-65 average of 26.6 million pounds. Landings were down a few million pounds in Washington and Oregon, but up sharply in Alaska. Intensified effort in this fishery in the Kodiak area to compensate for a sharp decrease in the king crab catch accounted for the substantial increase in the Alaska Dungeness crab catch.

- Crabs, king. . . . . .Alaska king crab landings reversed its steady growth pattern in 1967 and for the first time since the industry began to expand some years ago, the catch was less than in the previous year. The 1967 catch was 135 million pounds--about 15 percent or 24 million pounds less than the record 1966 catch of 159 million pounds. The 1967 catch was still the second highest and well above the 1961-65 average catch of 79 million pounds. The catch from the Kodiak area of fishing was down sharply in 1967 and catches from the South Peninsula and Aleutian Islands were not as large as in the previous year. It appears that present productive areas are yielding maximum catches and that if the fishery is to expand, the catch would have to come from areas not now being fished. The shortage of king crab has created interest in the tanner crab, a species known to be plentiful in Alaskan waters. It has been estimated that the maximum sustained yield for this crustacean is in the neighborhood of 200-400 million pounds annually. By the end of 1967, virtually all crab processors in Kodiak were encouraging the delivery of tanner crabs and perhaps, this fishery is the answer to the current king crab shortage.

- Oysters. . . . . .Production of oysters increased from 51.2 million pounds in 1966 to 57.7 million pounds in 1967 and approached the 1961-65 average of 58.4 million pounds. The increase occurred principally in the Chesapeake and Gulf areas. The larger harvest in the Gulf resulted in a large increase in the United States pack of canned oysters that reached 330,000 standard cases valued at $6.2 million. Imports of canned oysters and oyster juice totaled 16.1 million pounds--a new record.

PROCESSED FISHERY PRODUCTS

- Canned fishery products. . . . . .The 1967 pack of canned fishery products in the United States, American Samoa, and Puerto Rico was 40.5 million standard cases (1.2 billion pounds) valued at $518.9 million to the packers. The total volume packed was only slightly less (258,000 cases) than in 1966 but there was a noticeable decrease of $44.8 million in value. This resulted from a very low pack of salmon (down 2.3 million cases and $62.7 million) and a record pack of animal food (up 2.2 million cases and $17.5 million). There were gains in the packs of shrimp, oysters, squid; and smaller packs of tuna, mackerel, crab meat and clam products.

The pack for human consumption (698.3 million pounds) was 124.1 million pounds less than in 1966, while the production of bait and animal food increased 105.4 million pounds. The value of five items--salmon, tuna, shrimp, clam products, and animal food--accounted for 87 percent of the total received by producers of canned fishery products. Animal food containing less than 10 pounds of fish per standard case of 48 pounds (4,963,784 standard cases valued at $23,292,020) was not included in the 1967 total.

- Industrial fishery products. . . . . .The 1967 production of industrial fishery products by 142 plants in the United States, American Samoa, and Puerto Rico was valued at $61.1 million--a decrease of $11.8 million compared with 1966.

  Marine animal scrap and meal. . . . . .The 1967 production of 211,514 tons was six percent below the 223,821 tons produced in 1966. Menhaden scrap and meal decreased from 134,954 tons produced in 1966 to 119,134 tons in 1967.

  Landings of menhaden continued to decline in 1967 yielding a catch of only 1.2 billion pounds. Landings were 142 million pounds or 11 percent less than in the previous year; nearly 1 billion pounds or 46 percent under the 1961-65 average of 2.1 billion pounds; and 50 percent below the record 1962 catch of 2.3 billion pounds. The 1967 catch was the poorest since 1951. Landings from the Atlantic Ocean were the smallest since 1942--menhaden were very scarce north of Chesapeake Bay. The Gulf of Mexico contributed 60 percent of the total United States landings, but the catch in that area was 93 million pounds or 12 percent below the catch taken in 1966.

  Imports of fish meal were a record 651,486 tons in 1967. The total supply of fish meal (domestic production plus imports) was at an all time high of 863,000 tons with imports accounting for 75 percent of the total.

  Marine animal oil. . . . . .Domestic production of marine animal oil was 122.4 million pounds--a decrease of 41.7 million pounds compared with the 1966 yield.

  Menhaden oil totaled 101.4 million pounds--a decrease of 42.8 million pounds. Exports of fish oils were 76.8 million pounds compared with 77.3 million pounds in 1966.

  Fish solubles. . . . . .The 1967 production of fish solubles was 74,657 tons--8,784 tons or 11 percent less than in 1966. Homogenized condensed fish has not been produced since 1963.

  Other industrial products. . . . . .Products from oyster shells and buttons from fresh-water and marine mollusk shells were valued at $4.9 million in 1967. This was a decrease of $198,000 compared with the previous year.

Other industrial items produced in 1967 included agar-agar, fish feed pellets and animal food, Irish moss extracts, kelp products, fish leather, fish fins, liquid fertilizer, colored chips, pearl essence, and novelties, and crab shells valued at $19.6 million. In 1966, these products were valued at $17.9 million.

- Packaged fish. . . . . .Production of fresh and frozen fish fillets and steaks during 1967 in the United States, excluding Alaska and Hawaii, was 153.1 million pounds valued at $64.3 million to the processors. Compared with 1966, this was a decrease of 12.8 million pounds and $5.2 million in value. It was estimated that round fish weighing 362.8 million pounds were required for the 1967 production of packaged fish fillets and steaks.

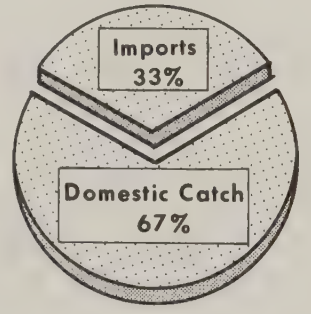
- Fish sticks, portions, and breaded shrimp. . . . . .The 1967 production of fish sticks and portions was 232.3 million pounds valued at $90.3 million. Compared with 1966, this was an increase of 3.3 million pounds but a decrease in value of $3.5 million. The 1967 production of breaded shrimp was 93.1 million pounds valued at $84.0 million--11 percent below the production and value of 1966.

- Freezings and cold storage holdings. . . . . .The 1967 production of frozen round, dressed, and drawn fish, fillets, and packaged shellfish amounted to 324.3 million pounds. Compared with the 1965 record production of 366.8 million pounds, this was a decrease of 42.5 million pounds. Leading edible items frozen were: shrimp, 103.3; round, dressed, halibut, 26.2; whiting, headed and gutted, 25.6; and round, dressed, salmon, 18.3 million pounds. Bait and animal food from both salt- and fresh-water fish amounted to 65.8 million pounds. It was estimated that a catch of 506.0 million pounds of fish and shellfish (live weight) was required for this production.

  Cold storage holdings on December 31, 1967 was 252.8 million pounds. Total holdings of shrimp reached an all time high of 63.1 million pounds on this date.

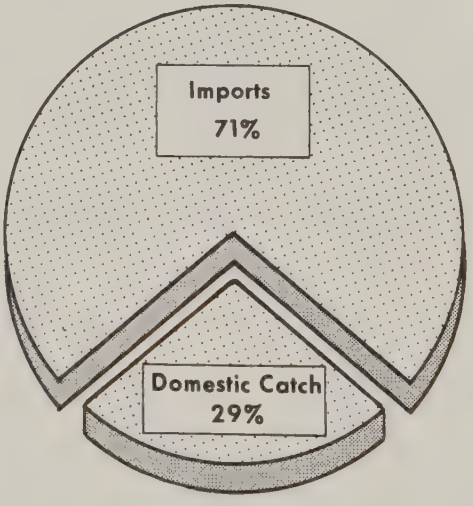
DOMESTIC SUPPLY OF FISHERY PRODUCTS INCREASED 98 PERCENT SINCE 1957

1957



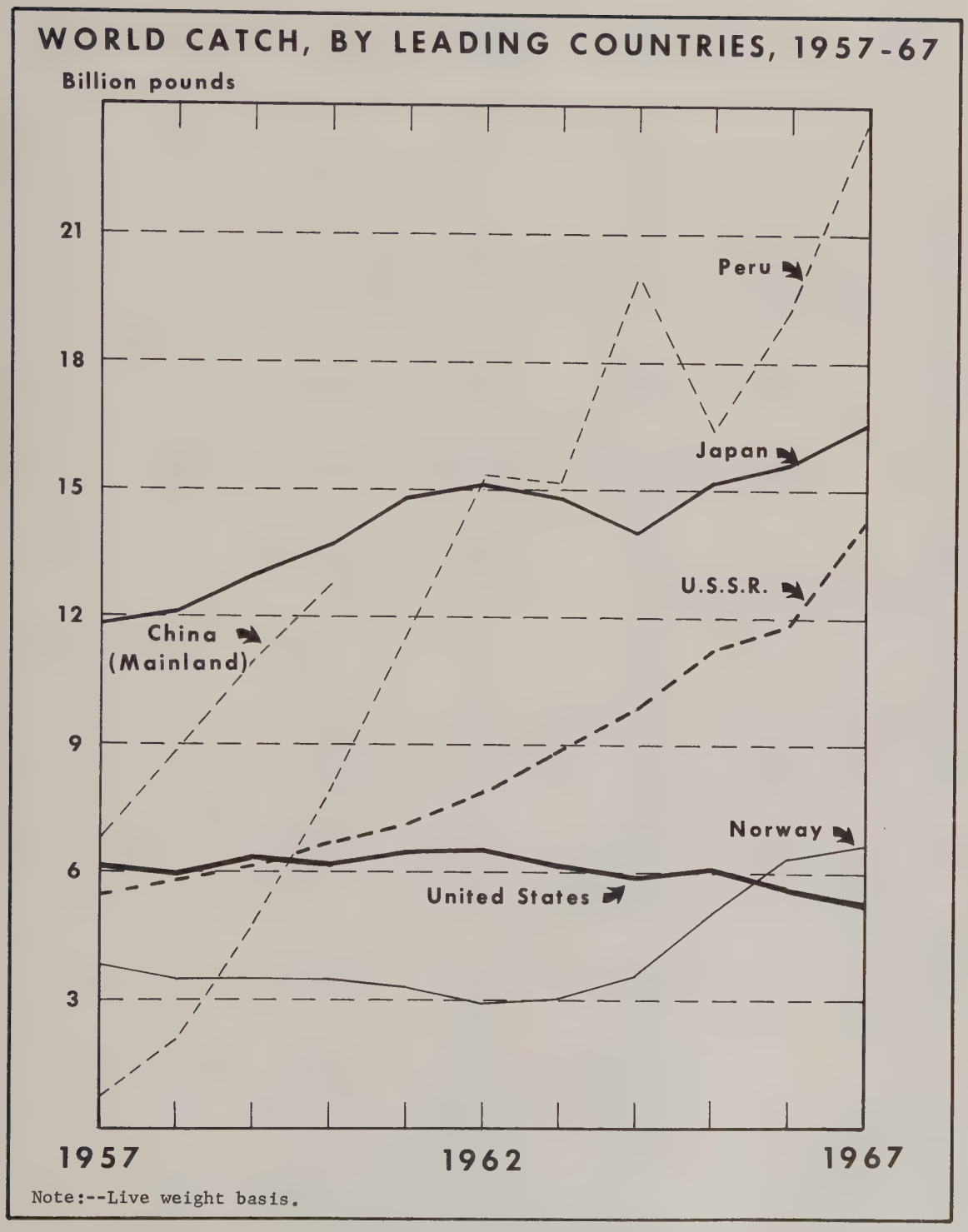
7,164 Million pounds

1967



14,187 Million pounds

Note:--Live weight basis.


WORLD CATCH, BY LEADING COUNTRIES, 1957-67
Billion pounds
21
18
15
12
9
6
3
Peru
Japan
U.S.S.R.
China (Mainland)
Norway
United States
1957
1962
1967
Note:--Live weight basis.

U.S. CATCH

CATCH OF CERTAIN SPECIES, 1966-67

Species	1966		1967 1/		5-year average 1961-65
Fish	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds
Alewives:					
Atlantic and Gulf	58,437	893	58,700	1,100	54,208
Great Lakes	29,008	435	39,100	500	7,821
Anchovies, California	62,280	644	69,600	700	5,151
Bluefish	5,484	647	4,300	500	4,979
Bonito	19,271	771	21,200	900	4,737
Butterfish	5,928	541	5,400	500	9,100
Cod, Atlantic	37,576	3,196	43,300	3,400	43,368
Croaker	3,376	326	2,600	200	3,420
Cusk	2,218	133	1,700	100	2,034
Flounders, Atlantic and Gulf:					
Blackback	30,341	3,172	24,400	2,500	19,461
Fluke	10,092	2,306	8,500	2,200	12,333
Yellowtail	66,984	8,082	57,600	6,000	69,158
Other	20,273	2,832	20,400	2,900	14,638
Total	127,690	16,392	110,900	13,600	115,590
Haddock	132,288	13,943	98,500	10,500	131,824
Hake:					
Pacific	11,833	114	27,500	300	1,049
White	3,580	206	2,800	100	5,998
Halibut, Pacific	40,326	9,708	39,900	7,800	45,622
Herring, Sea:					
Atlantic	72,299	1,434	69,300	1,600	102,196
Pacific	24,107	591	15,800	500	44,337
Jack mackerel	40,899	1,425	38,300	1,400	87,877
Mackerel:					
Atlantic	6,010	468	8,300	400	3,412
Pacific (California)	4,630	189	1,200	47	33,362
Menhaden:					
Atlantic coast	515,039	7,843	465,700	6,200	1,154,087
Gulf	792,671	13,924	700,100	9,000	994,346
Total	1,307,710	21,767	1,165,800	15,200	2,148,433
Mullet	38,026	2,577	34,100	2,300	42,376
Ocean perch, Atlantic	81,552	3,425	71,500	2,800	107,443
Pollock, Atlantic	8,751	507	7,200	400	15,469
Salmon, Pacific:					
Chinook or king	27,223	10,989	27,200	10,800	27,460
Chum or keta	56,506	6,674	32,000	4,000	48,886
Pink	163,016	22,124	48,300	7,200	130,069
Red or sockeye	102,012	22,930	64,700	15,300	82,102
Silver or coho	38,755	10,748	34,200	11,300	31,134
Total	387,512	73,465	206,400	48,600	319,652
Sardine, Pacific	879	152	100	6	16,145
Scup or porgy	28,355	3,326	19,800	3,200	41,841
Sea bass, Atlantic	4,859	709	4,700	800	8,419
Sea trout, gray	3,761	273	3,200	200	4,562
Snapper, red	13,317	4,334	12,600	4,100	13,259
Striped bass, Atlantic	9,076	1,649	10,200	1,700	8,736
Swordfish, Atlantic	1,357	580	1,000	400	2,069

See footnotes at end of table.

(Continued on next page)

CATCH OF CERTAIN SPECIES, 1966-67 - Continued

Species	1966		1967 1/		5-year average 1961-65
Fish - continued	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds
Tuna: 2/					
Albacore	36,991	6,836	48,400	9,600	44,978
Bluefin 3/	38,423	5,913	18,800	2,500	31,403
Little	83	10	68	8	37
Skipjack	60,561	8,174	119,600	12,700	93,169
Yellowfin	133,114	23,907	142,100	19,700	147,197
Unclassified	8	1	23	6	75
Total	269,180	44,841	328,991	44,514	316,859
Whiting	90,408	3,955	69,600	2,200	95,053
Shellfish					
Clams:					
Hard, Atlantic	14,986	10,360	13,600	10,500	14,095
Soft, Atlantic	11,919	3,974	9,800	4,200	7,583
Surf	45,113	3,876	44,300	4,300	35,835
Crabs:					
Blue, hard	166,827	9,963	142,200	8,200	156,319
Dungeness	39,718	5,549	38,800	5,400	26,576
King	159,202	15,671	135,000	13,500	78,665
Lobsters:					
Northern	29,541	22,266	26,800	21,700	29,795
Spiny	5,844	2,882	4,800	2,400	4,281
Oysters (meats)	51,223	27,373	57,700	31,600	58,402
Scallops, sea (meats)	15,975	7,625	10,200	7,800	21,804
Shrimp: (heads-on)					
South Atlantic States	21,475	10,814	20,500	8,700	21,164
Gulf States	179,230	82,973	225,800	90,300	170,581
Pacific Coast States	34,438	1,956	58,900	3,200	19,934
Other	3,903	553	7,000	900	637
Total	239,046	96,296	312,200	103,100	212,316
Squid, California	19,026	451	21,500	500	13,501
Other fish, shellfish, etc.	633,703	52,336	651,009	54,533	-
Grand total	4,364,106	472,238	4,061,500	438,300	4,941,107

1/ Preliminary. 2/ Does not include landings of tuna by U.S. vessels in Puerto Rico.
3/ Includes data on the catch of bigeye tuna in Hawaii.

Note:--Statistics on the catch are shown in live (round) weight of all items except univalve and bivalve mollusks (clams, conchs, oysters, scallops, etc.) which are shown in weight of meats, excluding the shell.

U.S. CATCH

CATCH OF FISH AND SHELLFISH, 1926-67

Year	Catch for human food	Catch for industrial products 1/	Total		Average price per pound
	Million pounds	Million pounds	Million pounds	Million dollars	Cents
1926	2,198	673	2,871	(2)	(2)
1927	2,172	634	2,806	(2)	(2)
1928	2,370	691	3,061	(2)	(2)
1929	2,601	890	3,491	(2)	(2)
1930	2,478	746	3,224	109	3.39
1931	2,129	501	2,630	77	2.94
1932	1,864	748	2,612	56	2.13
1933	2,086	911	2,997	(2)	(2)
1934	2,434	1,670	4,104	(2)	(2)
1935	2,583	1,552	4,135	(2)	(2)
1936	2,854	1,972	4,826	(2)	(2)
1937	2,703	1,650	4,353	101	2.32
1938	2,639	1,615	4,254	94	2.20
1939	2,713	1,732	4,445	97	2.17
1940	2,675	1,385	4,060	99	2.44
1941	3,062	1,838	4,900	129	2.63
1942	2,683	1,192	3,875	170	4.40
1943	2,737	1,425	4,162	204	4.90
1944	2,865	1,668	4,533	213	4.70
1945	3,167	1,431	4,598	270	5.87
1946	3,049	1,418	4,467	313	7.01
1947	3,020	1,329	4,349	312	7.16
1948	3,146	1,367	4,513	371	8.22
1949	3,305	1,499	4,804	343	7.13
1950	* 3,307	1,594	4,901	347	7.09
1951	3,048	1,385	4,433	365	8.23
1952	2,778	1,654	4,432	364	8.20
1953	2,519	1,968	4,487	356	7.94
1954	2,705	2,057	4,762	359	7.55
1955	2,579	2,230	4,809	339	7.05
1956	2,690	2,578	5,268	372	7.06
1957	2,475	2,314	4,789	354	7.39
1958	2,651	2,096	4,747	373	7.86
1959	2,369	2,753	5,122	346	6.76
1960	2,498	2,444	4,942	354	7.15
1961	2,490	2,697	5,187	362	6.98
1962	2,540	* 2,814	* 5,354	396	7.40
1963	2,556	2,291	4,847	377	7.78
1964	2,497	2,044	4,541	389	8.57
1965	2,587	2,190	4,777	445	9.33
1966	2,572	1,792	4,364	* 472	*10.82
1967	2,385	1,677	4,062	438	10.79

1/ Processed into meal, oil, fish solubles, homogenized condensed fish, shell products, and used as bait and animal food.
2/ Not available.
* Record
Note:--Does not include data on the Hawaiian catch prior to 1946.

CATCH BY STATES, 1966-67

State	1966		1967 1/		Record catch	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Year	Thousand pounds
Alabama	35,827	7,706	2/32,400	2/8,900	1966	35,827
Alaska	581,670	80,718	369,000	47,000	1936	932,341
Arizona	30	6	(3)	(3)	-	(4)
Arkansas	16,177	1,735	(3)	(3)	-	(4)
California	459,157	55,466	504,300	50,500	1936	1,760,183
Colorado	76	2	(3)	(3)	-	(4)
Connecticut	4,885	1,754	5,200	1,900	1930	88,012
Delaware	5,526	341	1,300	300	1953	367,500
Florida	203,604	34,400	205,900	33,400	1938	241,443
Georgia	16,024	3,883	16,400	3,700	1927	47,607
Hawaii	13,014	3,128	12,000	2,800	1954	20,610
Idaho	3,025	191	(3)	(3)	-	(4)
Illinois	10,086	947	(3)	(3)	-	(4)
Indiana	8,435	1,274	(3)	(3)	-	(4)
Iowa	3,414	264	(3)	(3)	-	(4)
Kansas	59	10	(3)	(3)	-	(4)
Kentucky	3,294	503	(3)	(3)	-	(4)
Louisiana	662,842	39,881	2/643,300	2/37,300	1965	798,917
Maine	200,392	24,329	197,400	23,000	1950	356,266
Maryland	83,309	14,279	73,400	16,900	1890	141,607
Massachusetts	409,744	46,175	344,600	38,800	1948	649,696
Michigan	21,284	2,568	27,800	2,700	1930	35,580
Minnesota	13,092	995	(3)	(3)	-	(4)
Mississippi	272,981	9,502	2/265,100	2/9,300	1961	391,689
Missouri	341	39	(3)	(3)	-	(4)
Montana	676	49	(3)	(3)	-	(4)
Nebraska	284	29	(3)	(3)	-	(4)
New Hampshire	1,266	666	1,200	800	-	(4)
New Jersey	98,273	9,886	121,500	10,300	1956	540,060
New Mexico	94	9	(3)	(3)	-	(4)
New York	64,570	11,467	2/37,800	2/12,700	1880	2/335,000
North Carolina	250,932	9,571	225,000	8,400	1959	342,612
North Dakota	739	62	(3)	(3)	-	(4)
Ohio	10,693	957	9,800	800	1936	31,083
Oklahoma	2,288	173	(3)	(3)	-	(4)
Oregon	74,804	11,167	91,400	16,000	1941	91,725
Pennsylvania	573	71	(3)	(3)	-	(4)
Rhode Island	68,088	5,323	76,500	5,800	1889	128,056
South Carolina	23,192	4,199	18,900	3,200	1965	26,611
South Dakota	2,980	196	(3)	(3)	-	(4)
Tennessee	9,409	1,077	(3)	(3)	-	(4)
Texas	124,322	42,935	2/139,200	2/49,800	1960	237,684
Utah	827	62	(3)	(3)	-	(4)
Virginia	418,380	20,959	349,400	18,000	1959	526,306
Washington	136,218	20,659	167,000	24,300	1941	197,253
Wisconsin	47,210	2,625	50,300	2,800	-	(4)
---	-	-	5/75,400	5/8,900	-	-
Total	4,364,106	472,238	4,061,500	438,300	-	-

1/ Preliminary. 2/ Catch in interior waters estimated. 3/ Data not available. 4/ Not determined. 5/ Estimated catch for States in which information was not available.

Note:--Statistics on the catch are shown in live (round) weight of all items except univalve and bivalve mollusks (clams, conchs, oysters, scallops, etc.) which are shown in weight of meats, excluding the shell.

U.S. CATCH

Foreign vessels, principally Russian and Japanese, are taking more fish and shellfish on the high seas off the United States. However, the United States catch on the high seas off foreign coasts declined from 464 million pounds in 1960 to 396 million pounds in 1967. The decline resulted from a smaller catch of groundfish off Canada. Groundfish (cod, cusk, haddock, ocean perch, pollock, and white hake) totaled only 63 million pounds in 1967--81 million pounds less than in 1960. The catch of tuna off Central and South America was 18 million pounds more than in 1960.

DOMESTIC CATCH FROM WATERS OFF THE UNITED STATES
AND ON THE HIGH SEAS OFF FOREIGN COASTS, 1967

Area and species	Waters off U.S. coasts	High seas off foreign coasts	Total
	Thousand pounds	Thousand pounds	Thousand pounds
Atlantic and Gulf States:			
New England:			
Cod	39,963	2,737	42,700
Cusk	1,502	198	1,700
Flounders	87,039	661	87,700
Haddock	88,794	9,706	98,500
Hake, white	2,525	275	2,800
Halibut	53	47	100
Ocean perch	22,586	48,914	71,500
Pollock	6,035	1,165	7,200
Whiting	59,899	1	59,900
Wolffish	404	96	500
Unclassified	252,053	247	252,300
Total	560,853	64,047	624,900
Middle Atlantic, unclassified, total	160,100	-	160,100
Chesapeake, unclassified, total	422,800	-	422,800
South Atlantic, unclassified, total	353,700	-	353,700
Gulf:			
Groupers	5,650	1,050	6,700
Snapper, red	7,095	5,405	12,500
Shrimp	214,300	11,500	225,800
Unclassified	930,803	97	930,900
Total	1,157,848	18,052	1,175,900
Total, Atlantic and Gulf States	2,655,301	82,099	2,737,400

(Continued on next page)

DOMESTIC CATCH FROM WATERS OFF THE UNITED STATES
AND ON THE HIGH SEAS OFF FOREIGN COASTS, 1967 - Continued

Area and species	Waters off U.S. coasts	High seas off foreign coasts	Total
	Thousand pounds	Thousand pounds	Thousand pounds
Pacific Coast States:			
Alaska, Washington, and Oregon:			
Bottomfish (Washington and Oregon) 1/	28,565	40,635	69,200
Halibut	38,065	1,835	39,900
Salmon	197,369	1,631	199,000
Tuna, albacore	30,597	3	30,600
Unclassified	288,563	137	288,700
Total	583,159	44,241	627,400
California:			
Barracuda	268	32	300
Bonito	17,822	3,378	21,200
Flounders	20,487	13	20,500
Groupers	10	190	200
Rockfishes	9,249	151	9,400
Sea bass:			
Black	81	219	300
White	485	715	1,200
Sharks, unclassified	589	11	600
Tuna:			
Albacore	17,514	286	17,800
Bluefin	1,806	11,894	13,700
Skipjack	161	110,839	111,000
Yellowfin	27	141,473	141,500
Total	19,508	264,492	284,000
Yellowtail	63	137	200
Unclassified	166,367	33	166,400
Total	234,929	269,371	504,300
Total Pacific Coast States	818,088	313,612	1,131,700
Great Lakes and Mississippi River States, unclassified, total	180,400	-	180,400
Hawaii, unclassified, total	12,000	-	12,000
Grand total	3,665,789	395,711	4,061,500

1/ Principally cod, flounders (including sole), lingcod, ocean perch, rockfishes, and sablefish.

U.S. CATCH

DISPOSITION OF CATCH, 1966-67

End use	1966		1967 1/	
	Million pounds	Percent	Million pounds	Percent
Fresh and frozen:				
For human food	1,601	36.7	1,530	37.7
For bait and animal food	123	2.8	119	2.9
Total	1,724	39.5	1,649	40.6
Canned:				
For human food	894	20.5	779	19.2
For bait and animal food	112	2.5	163	4.0
Total	1,006	23.0	942	23.2
Cured	77	1.8	76	1.9
Reduction to meal, oil, etc.	1,557	35.7	1,395	34.3
Grand total	4,364	100.0	4,062	100.0

1/ Preliminary.

MONTHLY CATCH AND UTILIZATION OF FISH AND SHELLFISH, 1967

Month	Catch for human food		Catch for industrial products 1/		Total	
	Million pounds	Percent	Million pounds	Percent	Million pounds	Percent
January	140	5.9	32	1.9	172	4.2
February	124	5.2	26	1.6	150	3.7
March	157	6.5	46	2.7	203	5.0
April	158	6.6	106	6.3	264	6.5
May	219	9.2	164	9.8	383	9.4
June	259	10.9	286	17.1	545	13.4
July	303	12.7	295	17.6	598	14.7
August	321	13.5	262	15.6	583	14.4
September	247	10.4	145	8.7	392	9.7
October	197	8.2	98	5.8	295	7.3
November	139	5.8	131	7.8	270	6.6
December	121	5.1	86	5.1	207	5.1
Total	2,385	100.0	1,677	100.0	4,062	100.0

1/ Manufactured into meal, oil, fish solubles, shell products, and used as bait and animal food.

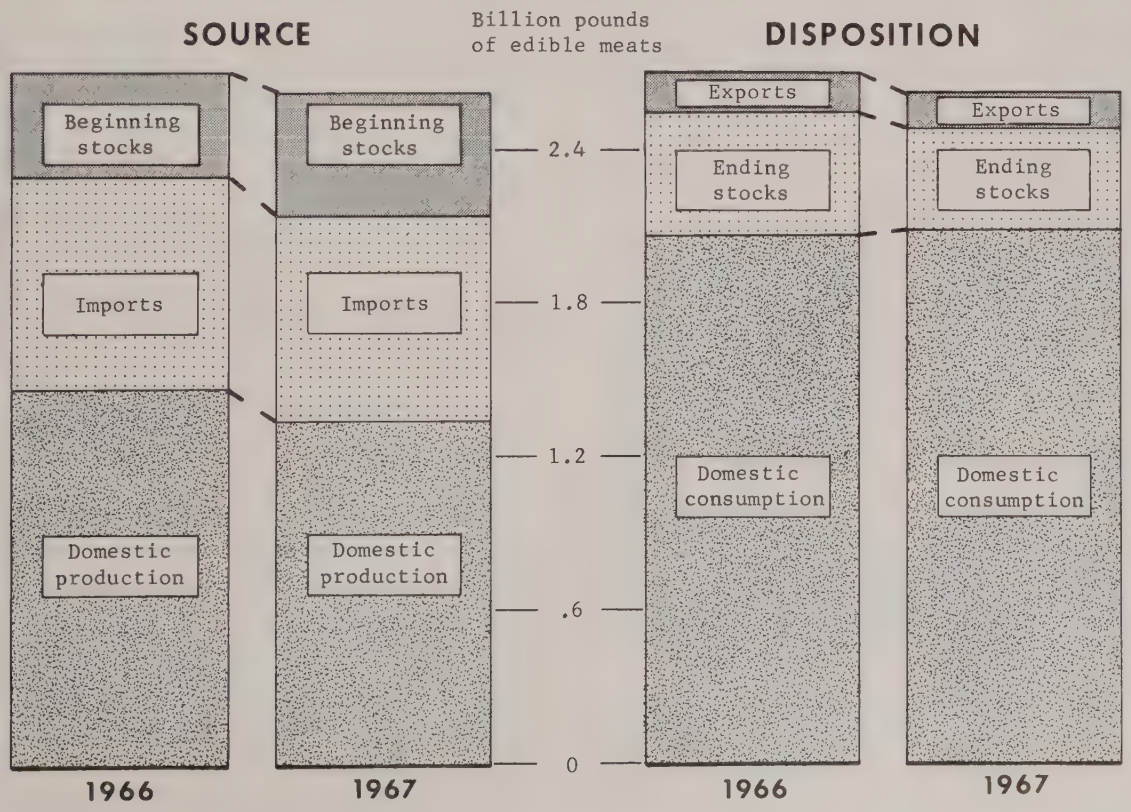
LANDINGS AT CERTAIN U.S. PORTS, 1967

Port	Thousand pounds	Thousand dollars	Important species
San Pedro, Calif.	310,520	28,598	Tuna, anchovies, mackerel
Pascagoula-Moss Point, Miss.	213,480	5,200	Menhaden and other industrial fish
Cameron, La.	182,600	4,800	Menhaden and shrimp
Beaufort-Morehead City, N.C.	151,400	3,900	Menhaden and shrimp
Reedville, Va.	143,500	(1)	Menhaden
Dulac-Chauvin, La.	116,100	7,100	Menhaden and shrimp
New Bedford, Mass.	115,650	15,654	Flounders, haddock, sea scallops
Kodiak, Alaska.	111,000	10,000	King crab, salmon, halibut
Empire, La.	106,300	4,000	Menhaden and shrimp
Gloucester, Mass.	83,000	5,220	Whiting, ocean perch, haddock
Boston, Mass.	77,800	9,434	Haddock and cod
San Diego, Calif.	62,153	8,054	Tuna
Point Judith, R. I.	57,600	1,643	Industrial fish

1/ Data not available.

Note:--The largest landings made at a U.S. port occurred in 1950 when 848 million pounds of fish and shellfish were landed in the San Pedro area. This catch was valued at $38 million which was likewise the greatest value received by fishermen for a catch landed at a U.S. port in a single year.

SOURCE AND DISPOSITION OF EDIBLE FISHERY PRODUCTS, 1966-67



U.S. CATCH

CATCH BY REGIONS

The fisheries of the Gulf States increased from only 6 percent of the total catch in 1940 to 29 percent in 1967. The increase was due largely to the growth of the menhaden fishery and larger catches of shrimp. The California catch declined from 32 percent of the total in 1940 to 12 percent in 1967 due to a failure of the sardine fishery and smaller catches of tuna and mackerel. The New England, Middle Atlantic, Chesapeake, Alaskan, and Hawaiian catch was less than in 1966; the South Atlantic, Great Lakes, Washington and Oregon catch was larger.

VOLUME OF THE CATCH BY REGIONS, VARIOUS YEARS, 1940-67

(Million pounds)

Region	1940	1950	1960	1966	1967
New England and Middle Atlantic:					
Quantity	982	1,498	1,636	852	785
Percent	24	31	33	20	19
Chesapeake:					
Quantity	321	381	435	502	423
Percent	8	8	9	12	11
South Atlantic:					
Quantity	325	261	379	368	354
Percent	8	5	8	8	9
Gulf:					
Quantity	250	571	1,266	1,196	1,176
Percent	6	12	26	27	29
Alaska:					
Quantity	564	482	358	582	369
Percent	14	10	7	13	9
Washington and Oregon:					
Quantity	166	177	162	211	259
Percent	4	4	3	5	6
California:					
Quantity	1,290	1,338	541	459	504
Percent	32	27	11	11	12
Great Lakes and Mississippi River:					
Quantity	162	177	154	181	180
Percent	4	3	3	4	5
Hawaii:					
Quantity	(1)	16	11	13	12
Percent	-	-	-	-	-
Total quantity	4,060	4,901	4,942	4,364	4,062

1/ Data not available.

VALUE BY REGIONS

The total value of the U.S. catch has increased 343 percent since 1940. During the same period, the Gulf States increased in value from 11 percent of the total to 29 percent due to the growth in the menhaden and shrimp fisheries. In California the disappearance of sardines and lighter landings of tuna and mackerel caused a decline in value from 20 percent of the total to 11 percent. Other regions have shown little percentage change.

VALUE OF THE CATCH BY REGIONS, VARIOUS YEARS, 1940-67

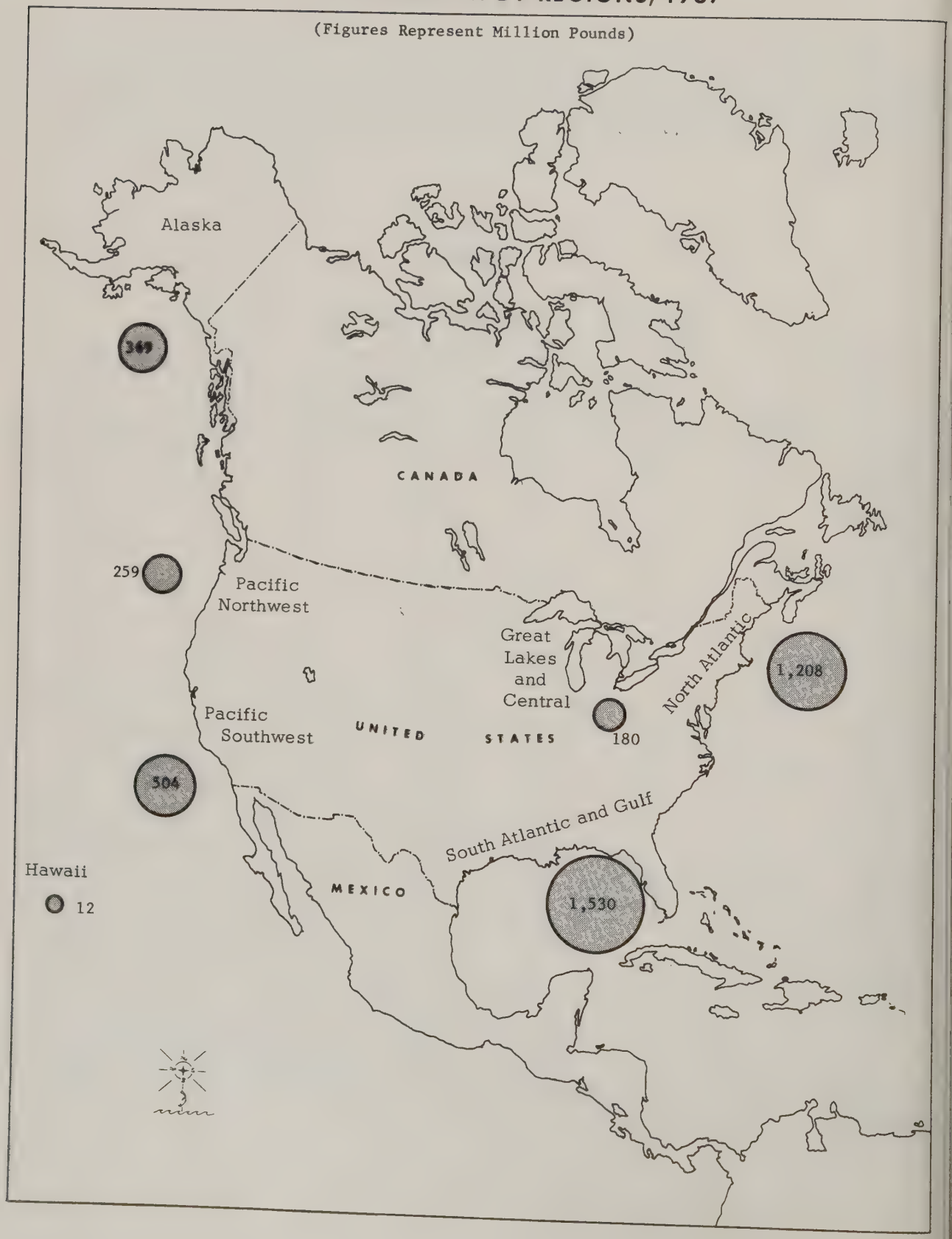
(Million dollars)

Region	1940	1950	1960	1966	1967
New England and Middle Atlantic:					
Value	28.1	89.4	83.2	99.7	93.4
Percent	28	26	23	21	21
Chesapeake:					
Value	7.5	25.0	34.9	35.2	35.0
Percent	8	7	10	7	8
South Atlantic:					
Value	4.1	18.9	20.2	27.1	25.5
Percent	4	5	6	6	6
Gulf:					
Value	10.6	50.4	85.5	122.6	126.3
Percent	11	15	24	26	29
Alaska:					
Value	1/10.6	1/31.4	40.9	80.7	47.0
Percent	11	9	12	17	11
Washington and Oregon:					
Value	9.4	26.2	21.6	31.9	40.3
Percent	9	8	6	7	9
California:					
Value	20.2	81.6	49.6	55.5	50.5
Percent	20	23	14	12	11
Great Lakes and Mississippi River:					
Value	8.5	21.0	15.0	16.4	17.5
Percent	9	6	4	3	4
Hawaii:					
Value	(2)	3.5	2.7	3.1	2.8
Percent	-	1	1	1	1
Total value	99.0	347.4	353.6	472.2	438.3

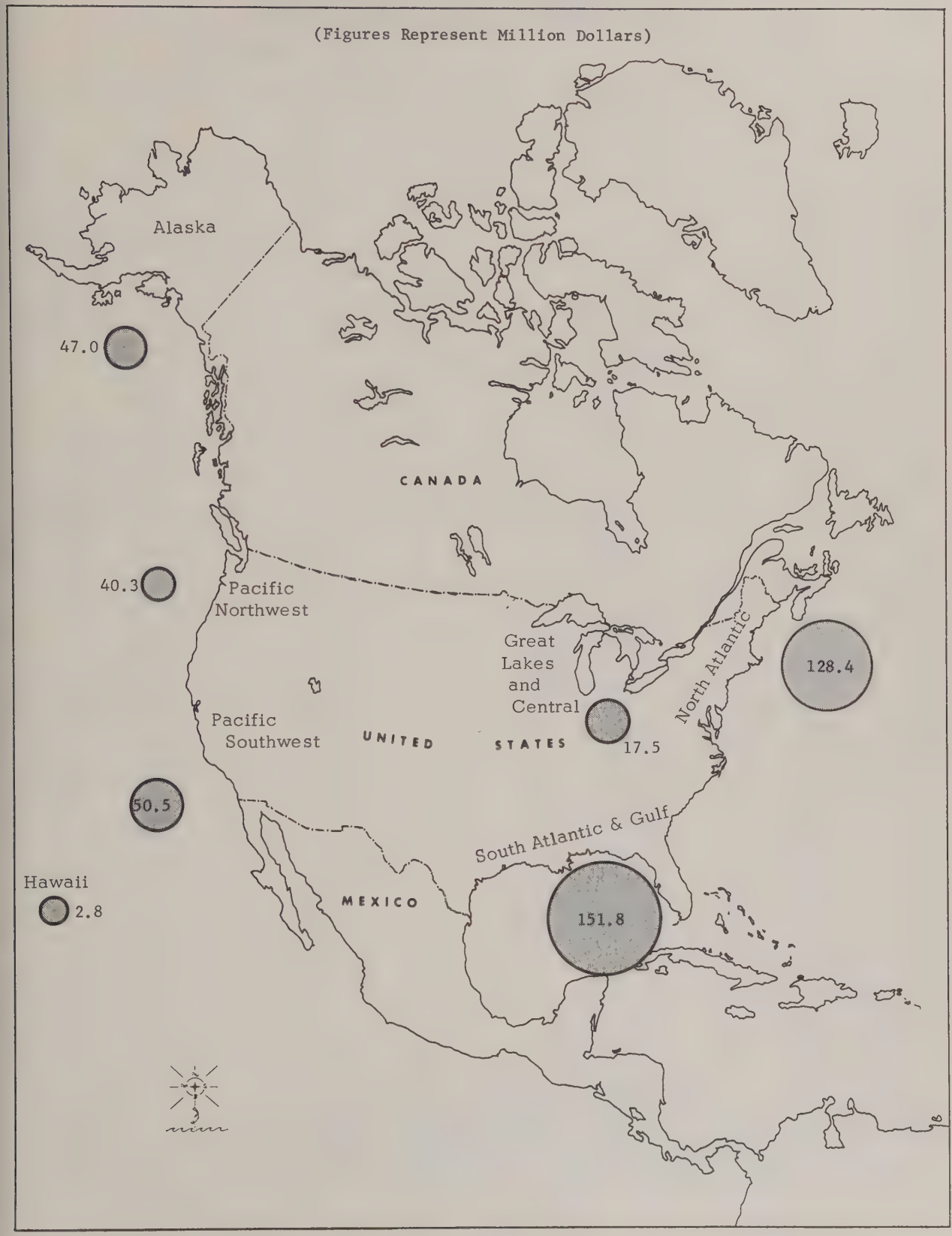
1/ Does not include types of compensation (food, use of boats, gear, etc.) that were added to the value in later years.

2/ Not available.

VOLUME OF CATCH BY REGIONS, 1967



VALUE OF CATCH BY REGIONS, 1967



U.S. CATCH

RELATIVE VOLUME OF THE CATCH, BY SPECIES, 1966

SPECIES	QUANTITY	PERCENT OF TOTAL	RECORD CATCH AND YEAR	
	THOUSAND POUNDS	PERCENT	YEAR	THOUSAND POUNDS
MENHADEN	1,307,710	30.0	1962	2,347,944
SALMON	387,749	8.9	1936	790,884
CRABS	372,425	8.5	1966	372,425
TUNA	269,180	6.2	1950	391,454
SHRIMP	239,046	5.5	1954	268,334
INDUSTRIAL FISH 1/	196,318	4.5	1965	265,438
FLOUNDERS	174,520	4.0	1965	180,121
HADDOCK	132,288	3.0	1929	293,809
HERRING, SEA:				
ATLANTIC	72,299	1.7	1902	200,598
PACIFIC	24,107	.5	1937	263,200
TOTAL	96,406	2.2	-	-
WHITING	90,408	2.1	1957	133,041
ALEWIVES	87,445	2.0	1908	89,978
OCEAN PERCH, ATLANTIC	81,552	1.9	1951	258,320
CLAMS	72,751	1.7	1966	72,751
ANCHOVIES	62,284	1.4	1953	86,044
OYSTERS	51,223	1.2	2/ 1908	152,046
COD:				
ATLANTIC	37,576	.9	1880	294,351
PACIFIC	9,983	.2	1915	32,681
TOTAL	47,559	1.1	-	-
MUSSEL SHELLS	46,361	1.1	1908	81,869
JACK MACKEREL	41,119	.9	1952	146,522
HALIBUT, PACIFIC	40,326	.9	1915	66,696
MULLET	38,026	.9	1902	43,385
CATFISH AND BULLHEADS	34,656	.8	1963	38,614
CARP	32,348	.7	1908	42,659
LOBSTER, NORTHERN	29,541	.7	1960	31,168
SCUP OR PORGY	28,355	.6	1960	49,229
ROCKFISHES	25,529	.6	1945	57,686
MACKERELS	24,630	.6	(3)	(3)
OCEAN PERCH, PACIFIC	21,864	.5	1965	28,352
SQUID	21,735	.5	1946	40,266
BONITO	19,271	.4	1966	19,271
BUFFALOFISH	18,034	.4	1950	25,873
SCALLOPS, SEA	15,975	.4	1961	27,461
SNAPPER, RED	13,317	.3	1902	23,457
HAKE, PACIFIC	11,833	.3	1966	11,833
CHUBS	10,149	.2	1960	16,854
STRIPED BASS	9,124	.2	1961	9,495
POLLOCK	9,018	.2	1938	40,694
SWELLFISH	8,658	.2	1965	13,403
GROUPERS	8,358	.2	1965	9,570
LINGCOD	7,959	.2	1944	14,262
SHEEPSHEAD, FRESH-WATER	7,355	.2	1959	13,644
SHAD	7,305	.2	1890	43,000
SABLEFISH	6,931	.2	1945	17,750
YELLOW PERCH	6,741	.2	1934	16,282
SEA TROUT OR WEAKFISH, SPOTTED	6,401	.1	1936	8,800
SPOT	5,973	.1	1952	15,863
BUTTERFISH	5,928	.1	1939	17,151
LOBSTER, SPINY	5,844	.1	1965	6,237
BLUEFISH	5,484	.1	4/ 1897	22,673
KING WHITING OR "KINGFISH"	4,997	.1	1965	5,708
SEA BASS, BLACK (ATLANTIC)	4,859	.1	1952	21,997
WHALE PRODUCTS 5/	4,689	.1	(3)	(3)
HERRING, LAKE	4,576	.1	1899	59,914
SMELT	4,384	.1	1958	13,303
IRISH MOSS	4,100	.1	1961	6,995
UNCLASSIFIED	93,489	2.1	-	-
TOTAL	4,364,106	100.0	-	-

1/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD. 2/ FIRST YEAR IN WHICH AN OYSTER SURVEY WAS MADE IN ALL REGIONS. 3/ DATA NOT AVAILABLE. 4/ INCLUDES DATA ON NEW ENGLAND CATCH IN 1898. 5/ SINCE DATA ARE NOT AVAILABLE ON THE POUNDAGE OF WHALES TAKEN, STATISTICS ON THE YIELD OF THESE MAMMALS REPRESENT THE WEIGHT OF THE WHALE PRODUCTS WHICH INCLUDES MEAL, MEAT, AND OIL.

RELATIVE VALUE OF THE CATCH, BY SPECIES, 1966

SPECIES	VALUE	PERCENT OF TOTAL	RECORD VALUE AND YEAR	
	THOUSAND DOLLARS	PERCENT	YEAR	THOUSAND DOLLARS
SHRIMP	96,296	20.4	1966	96,296
SALMON	73,595	15.6	1966	73,595
TUNA	44,841	9.5	1950	61,342
CRABS	33,037	7.0	1966	33,037
OYSTERS	27,373	5.8	1961	33,204
LOBSTERS, NORTHERN	22,266	4.7	1966	22,266
MENHADEN	21,767	4.6	1956	28,425
FLOUNDERS	20,170	4.3	1966	20,170
CLAMS	18,551	3.9	1966	18,551
HADDOCK	13,943	3.0	1966	13,943
HALIBUT, PACIFIC	9,708	2.1	1962	11,579
SCALLOPS, SEA	7,625	1.6	1965	13,182
CATFISH AND BULLHEADS	6,941	1.5	1966	6,941
SNAPPER, RED	4,334	.9	1966	4,334
WHITING	3,955	.8	1951	2,903
MUSSEL SHELLS	3,737	.8	(1)	(1)
COD:				
ATLANTIC	3,196	.7	1948	4,742
PACIFIC	518	.1	1939	664
TOTAL	3,714	.8	-	-
OCEAN PERCH, ATLANTIC	3,425	.7	1951	12,597
SCUP OR PORGY	3,326	.7	1966	3,326
LOBSTER, SPINY	2,882	.6	1965	3,626
INDUSTRIAL FISH 2/	2,606	.6	1963	3,044
MULLET	2,577	.6	1945	4,647
MACKERELS	2,404	.5	(1)	(1)
BUFFALOFISH	2,123	.5	1952	3,564
HERRING, SEA:				
ATLANTIC	1,434	.3	1948	3,798
PACIFIC	591	.1	1947	2,152
TOTAL	2,025	.4	-	-
CHUBS	1,880	.4	1958	2,564
SCALLOPS, BAY	1,672	.4	1966	1,672
STRIPED BASS	1,654	.4	1966	1,654
SEA TROUT OR WEAKFISH, SPOTTED	1,633	.3	1952	1,781
JACK MACKEREL	1,512	.3	1952	4,755
ROCKFISHES	1,412	.3	1945	2,648
ALEWIVES	1,328	.3	1966	1,328
OCEAN PERCH, PACIFIC	1,105	.2	1965	1,334
GROUPERS	1,078	.2	1966	1,078
CARP	1,028	.2	1951	2,007
WHITEFISH, COMMON	986	.2	1948	3,784
SHAD	920	.2	1945	2,680
ABALONE	920	.2	1966	920
YELLOW PERCH	812	.2	1958	1,540
SWORDFISH	804	.2	1946	1,435
POMPANO	801	.2	1966	801
BONITO	771	.2	1947	1,636
BLOODWORMS	735	.2	1964	804
SEA BASS, BLACK (ATLANTIC)	709	.1	1952	5,206
SQUID	680	.1	1947	1,370
SABLEFISH	669	.1	1946	1,834
BLUEFISH	647	.1	1951	760
ANCHOVIES	645	.1	1953	1,712
SANDWORMS	596	.1	1966	596
BUTTERFISH	541	.1	1962	1,005
YELLOW PIKE	541	.1	1951	2,152
CRAWFISH, FRESH-WATER	539	.1	1965	1,039
POLLOCK	511	.1	1945	1,819
SPOT	498	.1	1964	1,014
UNCLASSIFIED	11,390	2.4	-	-
TOTAL	472,238	100.0	-	-

1/ DATA NOT AVAILABLE.

2/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD.

U.S. CATCH

PRIBILOF ISLANDS SEALSKINS

TAKE OF PRIBILOF ISLANDS SEALSKINS, 1956-67

Year	Skins taken		
	Male	Female	Total
	Number	Number	Number
1956	95,849	26,977	122,826
1957	46,195	47,423	93,618
1958	47,860	31,059	78,919
1959	30,176	27,634	57,810
1960	36,320	4,296	40,616
1961	82,099	13,875	95,974
1962	53,460	24,455	77,915
1963	42,278	42,976	85,254
1964	48,223	15,983	64,206
1965	41,216	9,804	51,020
1966	52,866	-	52,866
1967	55,638	10,034	65,672

AVERAGE VALUE OF PRIBILOF ISLANDS SEALSKINS, 1957-67

Year	Dressed, dyed, machined, and finished				Sheared	
	Male		Female		Female	
	Spring sale	Fall sale	Spring sale	Fall sale	Spring sale	Fall sale
	(average value per skin)					
1957	$91.56	$68.90	-	-	-	-
1958	71.27	86.14	-	-	-	-
1959	99.75	103.23	-	-	-	-
1960	101.66	104.35	-	-	-	$36.05
1961	87.94	86.69	-	-	$11.99	41.05
1962	106.42	107.53	-	-	44.33	48.40
1963	122.52	1/111.72	-	(1)	43.09	40.63
1964	105.45	85.56	$71.16	$64.34	48.82	59.65
1965	116.36	2/103.78	89.21	(2)	47.68	60.80
1966	3/127.99	4/105.93	(3)	(4)	77.22	62.85
1967	5/ 90.30	6/ 80.22	(5)	(6)	48.86	82.43

1/ A total of 4,668 female skins were sold with the male skins. 2/ A total of 1,870 female skins were sold with the male skins. 3/ A total of 2,537 female skins were sold with the male skins. 4/ A total of 3,395 female skins were sold with the male skins. 5/ A total of 3,073 female skins were sold with the male skins. 6/ A total of 3,118 female skins were sold with the male skins. Note:--The skins sold were taken several years prior to the date of sale.

U.S. CATCH

WHALING

WHALE CATCH, 1967

Month	Bottle-nose	Brydes	Fin	Gray	Killer	Sei	Sperm	Total
	Number	Number	Number	Number	Number	Number	Number	Number
January. . .	-	-	-	1/69	-	-	-	69
February . .	-	-	-	1/12	-	-	-	12
March. . . .	-	-	-	1/18	-	-	-	18
April. . . .	-	-	-	-	-	-	6	6
May.	-	-	-	-	-	-	2/23	23
June	-	-	6	-	-	1	2/16	23
July	-	-	5	-	1	2	8	16
August . . .	-	-	11	-	-	-	2/ 6	17
September. .	-	-	21	-	-	-	2/21	42
October. . .	-	-	1	-	-	-	3	4
November . .	-	-	-	-	-	-	2/17	17
Total, 1967	-	-	44	1/99	1	3	2/100	247
Total, 1966	1	2	42	52	1	60	68	226

1/ The taking of 99 gray whales was authorized by Special Scientific Permit No. 1967-1.
2/ The taking of 15 sperm whales in May, 13 sperm whales in June, 3 sperm whales in August, 8 sperm whales in September, and 11 sperm whales in November was authorized by Special Scientific Permit No. 1967-3.

WHALE PRODUCTS, 1967

Item	Quantity	Value
	Thousand pounds	Thousand dollars
Meal.	2,223	134
Meat.	1,927	154
Oil:		
Sperm	964	57
Whale	1,519	90
Total, 1967	6,633	435
Total, 1966	4,689	316

PRINCIPAL FISHING PORTS

During the 41-year period from 1927-67, San Pedro, California, led all other domestic fishing ports in value of landings 24 times and in 1950 set an all time record for landings and value at a domestic fishing port with a total of 848 million pounds valued at a record $38.1 million. In 1967, the landings at this port were 310.5 million pounds valued at $28.6 million.

LEADING UNITED STATES FISHING PORTS, 1927-67

Year	Volume		Value	
	Port	Million pounds	Port	Million dollars
1927	Boston, Massachusetts	220.7	Boston, Massachusetts	7.4
1928	Boston, Massachusetts	248.3	Boston, Massachusetts	8.8
1929	San Pedro, California	370.4	Boston, Massachusetts	10.7
1930	Boston, Massachusetts	324.1	Boston, Massachusetts	10.9
1931	Boston, Massachusetts	249.1	Boston, Massachusetts	7.9
1932	Boston, Massachusetts	243.9	Boston, Massachusetts	5.4
1933	San Pedro, California	283.7	Boston, Massachusetts	6.1
1934	Monterey, California	491.0	Boston, Massachusetts	6.7
1935	San Pedro, California	497.4	Boston, Massachusetts	7.7
1936	San Francisco, California	814.7	Boston, Massachusetts	9.6
1937	San Pedro, California	473.1	Boston, Massachusetts	8.5
1938	San Francisco, California	465.8	Boston, Massachusetts	7.6
1939	San Francisco, California	512.7	Boston, Massachusetts	8.0
1940	San Pedro, California	521.5	Boston, Massachusetts	8.6
1941	Monterey, California	531.0	Boston, Massachusetts	11.5
1942	San Pedro, California	511.1	Boston, Massachusetts	12.5
1943	Monterey, California	458.2	Boston, Massachusetts	12.6
1944	San Pedro, California	519.3	San Pedro, California	12.7
1945	San Pedro, California	475.9	San Pedro, California	13.6
1946	San Pedro, California	581.7	San Pedro, California	18.4
1947	San Pedro, California	473.3	San Pedro, California	25.0
1948	San Pedro, California	444.2	San Diego, California	37.5
1949	San Pedro, California	528.2	San Diego, California	32.5
1950	San Pedro, California	848.2	San Pedro, California	38.1
1951	San Pedro, California	513.6	San Pedro, California	30.8
1952	San Pedro, California	386.6	San Pedro, California	37.8
1953	Lewes, Delaware	363.0	San Pedro, California	31.9
1954	San Pedro, California	357.6	San Pedro, California	35.3
1955	San Pedro, California	354.4	San Pedro, California	28.5
1956	San Pedro, California	381.0	San Pedro, California	28.2
1957	San Pedro, California	332.8	San Pedro, California	24.7
1958	San Pedro, California	379.9	San Pedro, California	29.3
1959	Reedville, Virginia	324.0	San Pedro, California	26.0
1960	San Pedro, California	375.1	San Pedro, California	32.6
1961	San Pedro, California	420.1	San Pedro, California	35.7
1962	San Pedro, California	362.4	San Pedro, California	35.6
1963	San Pedro, California	347.8	San Pedro, California	29.4
1964	San Pedro, California	341.3	San Pedro, California	30.9
1965	Pascagoula, Mississippi	325.1	San Pedro, California	31.4
1966	San Pedro, California	267.0	San Pedro, California	30.8
1967	San Pedro, California	310.5	San Pedro, California	28.6

Statistics on the fisheries of the United States are necessary for the best use of the Nation's aquatic resources. As series of data for extended periods of time are accumulated, the information becomes increasingly valuable in indicating trends in the supply and utilization of fishery products. The extent to which these data are used is frequently dependent upon the ready availability of needed information to researchers, management officials, and members of the fishing industry.

Data on the catch of major species of fish and shellfish for the years 1950 through 1967 are contained in the following tables.

CATCH OF MAJOR SPECIES OF FISH AND SHELLFISH AND NUMBER OF SEALS HARVESTED, 1950-67

(Thousands of pounds)

Year	Cod			Flounders, Atlantic and Gulf		
	Atlantic	Pacific	Total	Blackback	Fluke	Yellowtail
1950	57,491	7,088	64,579	23,571	13,601	24,115
1951	50,023	9,568	59,591	17,433	13,988	18,430
1952	43,686	10,844	54,530	15,778	17,470	16,987
1953	32,660	8,641	41,301	11,950	18,369	13,773
1954	36,824	16,652	53,476	11,794	19,578	12,763
1955	35,582	13,090	48,672	11,681	18,600	14,373
1956	35,127	9,825	44,952	14,233	21,289	14,643
1957	34,068	11,928	45,996	13,775	19,612	22,454
1958	41,362	12,785	54,147	14,465	19,632	33,325
1959	46,481	13,328	59,809	15,080	19,701	29,811
1960	40,381	5,372	45,753	17,298	19,851	31,207
1961	46,591	3,067	49,658	16,971	17,506	39,398
1962	46,910	3,185	50,095	17,490	13,587	60,590
1963	42,177	6,369	48,546	18,219	10,943	82,691
1964	38,746	6,414	45,160	20,927	9,787	82,852
1965	36,048	10,153	46,201	23,700	9,843	80,260
1966	37,576	9,983	47,559	30,341	10,092	66,984
1967	43,300	9,000	52,300	24,400	8,500	57,600

Year	Flounders, Atlantic and Gulf - continued		Haddock	Halibut, Pacific (Landed weight) 1/		
	Other	Total		United States	Canadian	Total
1950	20,608	81,895	158,559	38,650	18,999	57,649
1951	22,547	72,398	154,103	35,329	21,045	56,374
1952	19,935	70,170	161,497	38,049	24,779	62,828
1953	19,402	63,494	139,603	34,662	25,853	60,515
1954	20,005	64,140	154,934	43,680	27,526	71,206
1955	18,751	63,405	135,035	36,924	22,148	59,072
1956	14,946	65,111	152,246	41,908	25,597	67,505
1957	13,457	69,298	133,571	36,641	24,754	61,395
1958	9,839	77,261	119,554	36,295	28,918	65,213
1959	10,435	75,027	112,629	40,821	30,894	71,715
1960	11,009	79,365	118,697	38,302	33,613	71,915
1961	11,513	85,388	133,597	40,025	29,466	69,491
1962	12,787	104,454	134,250	40,416	34,673	75,089
1963	13,646	125,499	123,972	34,260	37,133	71,393
1964	15,390	128,956	133,498	33,672	26,265	59,937
1965	19,855	133,658	133,892	37,187	26,245	63,432
1966	20,273	127,690	132,288	30,319	31,972	62,291
1967	20,400	110,900	98,500	29,989	25,669	55,658

See footnotes at end of table.

(Continued on next page)

CATCH OF MAJOR SPECIES OF FISH AND SHELLFISH AND NUMBER OF SEALS HARVESTED, 1950-67 - Continued

(Thousands of pounds)

Year	Herring, sea		Jack mackerel	Mackerel		
	Atlantic	Pacific		Atlantic	Pacific	Total
1950	196,534	170,300	133,256	22,094	32,650	54,744
1951	67,212	93,700	89,838	15,748	33,518	49,266
1952	155,167	55,700	146,522	18,187	20,605	38,792
1953	111,252	40,800	55,751	8,545	7,502	16,047
1954	130,195	36,500	17,334	4,017	25,393	29,410
1955	105,683	66,600	35,755	3,871	23,310	27,181
1956	147,901	109,730	75,762	4,034	50,013	54,047
1957	161,602	120,577	82,012	2,418	62,044	64,462
1958	179,008	99,509	22,066	4,574	27,648	32,222
1959	121,377	114,712	37,507	4,047	37,602	41,649
1960	155,198	83,820	74,945	3,078	36,810	39,888
1961	58,243	54,491	97,606	3,012	44,110	47,122
1962	158,536	41,570	90,363	2,076	48,579	50,655
1963	154,770	38,834	95,843	2,915	40,243	43,158
1964	63,683	52,246	115,929	4,732	26,828	31,560
1965	75,750	34,543	110,293	4,327	7,050	11,377
1966	72,299	24,107	41,119	6,010	4,630	10,640
1967	69,300	15,800	38,600	8,300	1,200	9,500

Year	Menhaden			Mullet	Ocean perch, Atlantic	Pollock
	Atlantic	Gulf	Total			
1950	700,288	326,030	1,026,318	35,024	207,793	25,648
1951	769,100	357,965	1,127,065	39,163	258,307	22,717
1952	923,608	459,984	1,383,592	36,755	189,029	26,956
1953	1,259,031	437,045	1,696,076	34,473	153,893	23,912
1954	1,336,524	401,243	1,737,767	33,997	181,448	20,411
1955	1,386,791	480,992	1,867,783	35,237	156,989	23,160
1956	1,537,403	559,836	2,097,239	37,109	151,113	23,023
1957	1,327,595	362,533	1,690,128	39,958	133,931	22,034
1958	1,106,272	442,826	1,549,098	42,771	148,645	32,894
1959	1,450,896	751,836	2,202,732	41,097	136,703	24,545
1960	1,177,356	840,907	2,018,263	40,839	141,433	22,334
1961	1,294,244	1,020,433	2,314,677	42,813	132,062	21,406
1962	1,291,319	1,056,625	2,347,944	43,165	123,983	16,333
1963	848,105	967,693	1,815,798	42,734	108,292	14,607
1964	665,824	904,141	1,569,965	41,774	89,268	13,283
1965	703,252	1,022,837	1,726,089	41,392	83,608	11,856
1966	515,039	792,671	1,307,710	38,026	81,552	9,018
1967	465,700	700,100	1,165,800	34,100	71,500	7,500

Year	Salmon, Pacific					
	Chinook or king	Chum or keta	Pink	Red or sockeye	Silver or coho	Total
1950	37,361	70,587	81,445	93,079	40,853	323,325
1951	43,910	66,299	149,878	68,464	48,284	376,835
1952	38,691	83,299	87,110	105,500	41,406	356,006
1953	39,418	64,925	105,593	85,589	28,533	324,058
1954	36,607	83,849	85,602	95,369	33,256	334,683
1955	42,742	31,510	126,083	55,458	26,212	282,005
1956	38,397	54,859	88,205	86,517	29,173	297,151
1957	28,234	65,208	73,169	76,911	22,894	266,416
1958	27,583	68,011	120,721	67,812	23,327	307,454
1959	27,414	38,535	61,740	53,790	20,205	201,684
1960	24,057	49,811	52,588	95,326	13,665	235,447
1961	26,962	48,139	108,452	103,644	23,201	310,398

See footnotes at end of table.

(Continued on next page.)

CATCH OF MAJOR SPECIES OF FISH AND SHELLFISH AND NUMBER OF SEALS HARVESTED, 1950-67 - Continued

(Thousands of pounds)

Year	Salmon, Pacific					
	Chinook or king	Chum or keta	Pink	Red or sockeye	Silver or coho	Total
1962	25,111	60,345	143,309	58,049	27,752	314,566
1963	27,179	38,840	156,603	43,424	28,131	294,177
1964	28,732	65,842	162,325	57,276	38,071	352,246
1965	29,316	31,266	79,655	148,054	38,515	326,806
1966	27,223	56,506	163,016	102,012	38,755	387,512
1967	27,200	32,000	48,300	64,700	34,200	206,400

Year	Sardine, Pacific	Scup or porgy	Tuna 3/			
			Albacore	Bluefin 4/	Little	Skipjack
1950	714,522	35,528	72,514	5,852	296	136,098
1951	328,894	36,689	34,547	7,657	371	129,476
1952	14,330	33,759	52,663	7,348	747	92,308
1953	9,469	43,945	34,749	14,544	68	135,037
1954	136,504	46,909	27,027	25,212	72	167,777
1955	145,608	44,765	29,758	16,660	107	112,147
1956	69,554	36,978	41,351	15,355	88	134,849
1957	45,862	34,108	46,669	22,949	33	96,951
1958	207,446	38,973	38,461	34,791	13	130,207
1959	74,367	47,173	46,295	19,336	198	110,895
1960	57,534	49,229	40,211	14,651	19	53,660
1961	43,170	46,584	32,844	24,288	5	76,354
1962	15,363	46,306	45,955	39,496	30	102,221
1963	7,131	41,922	60,802	41,313	72	108,997
1964	13,138	38,525	48,070	30,450	39	77,350
1965	1,924	35,870	37,220	21,468	37	100,922
1966	879	28,355	36,991	38,423	83	60,561
1967	100	19,800	48,400	18,800	68	119,600

Year	Tuna 3/ - continued		Whiting	Crabs		
	Yellowfin	Total		Blue	Dungeness	King
1950	188,612	403,372	67,332	126,073	27,930	1,519
1951	162,586	334,637	120,076	114,356	29,332	1,994
1952	180,087	333,153	108,437	104,236	26,469	2,773
1953	133,962	318,360	89,625	110,540	26,578	4,613
1954	119,943	340,031	95,257	101,541	28,481	8,871
1955	123,652	282,324	118,876	101,297	24,334	8,163
1956	151,559	343,202	93,923	98,337	34,184	8,796
1957	138,289	304,891	133,041	113,728	42,774	13,077
1958	124,760	328,232	111,404	110,934	42,097	11,212
1959	109,185	285,909	115,192	116,488	36,947	18,840
1960	189,662	298,203	111,602	154,697	36,157	28,570
1961	192,313	325,804	100,729	152,758	32,699	43,412
1962	124,455	312,157	105,088	155,218	23,364	52,782
1963	5/ 110,435	321,619	92,643	145,257	24,863	78,740
1964	5/ 149,920	305,829	94,233	157,092	23,043	86,721
1965	5/ 159,248	318,895	82,574	171,269	28,913	131,671
1966	5/ 133,122	269,180	90,408	169,999	39,718	159,202
1967	5/ 142,123	328,991	69,600	144,700	38,800	135,000

See footnotes at end of table. (Continued on next page.)

CATCH OF MAJOR SPECIES OF FISH AND SHELLFISH AND NUMBER OF SEALS HARVESTED, 1950-67 - Continued

(Thousands of pounds)

Year	Crabs - continued		Lobsters, northern	Shrimp			
	Other	Total		South Atlantic and Gulf	Pacific	Other	Total
1950	3,756	159,278	23,198	188,234	3,954	108	192,296
1951	2,431	148,113	25,946	221,422	3,622	144	225,188
1952	1,629	135,107	25,031	223,939	4,077	194	228,210
1953	2,416	144,147	28,115	257,436	3,944	124	261,504
1954	1,754	140,647	27,481	265,799	3,700	18	269,517
1955	1,939	135,733	28,954	240,941	4,825	13	245,779
1956	2,082	143,399	26,520	219,139	5,400	18	224,557
1957	1,760	171,339	30,155	197,043	8,545	28	205,616
1958	2,136	166,379	27,227	195,938	17,891	13	213,842
1959	2,355	174,630	29,085	219,509	20,652	21	240,182
1960	2,257	221,681	31,168	236,939	12,418	95	249,452
1961	2,737	231,606	27,998	153,544	20,912	74	174,530
1962	2,976	234,340	29,497	167,804	22,906	396	191,106
1963	3,474	252,334	30,274	218,645	21,260	573	240,478
1964	3,586	270,442	30,958	196,373	14,497	951	211,821
1965	3,554	335,407	30,246	221,428	20,091	2,126	243,645
1966	3,506	372,425	29,541	200,705	34,438	3,903	239,046
1967	3,800	322,300	26,800	246,300	58,900	7,000	312,200

Year	Clam (meats)					Oyster (meats)	
	Hard	Soft	Razor	Surf 6/	Total	Eastern	Pacific
1950	21,049	9,390	2,543	8,074	41,056	68,192	8,080
1951	20,801	9,021	2,801	10,762	43,385	64,305	8,597
1952	17,573	7,332	1,759	13,181	39,845	72,165	9,957
1953	16,976	5,666	1,930	13,009	37,581	69,319	10,283
1954	13,519	5,129	1,633	12,108	32,389	70,971	10,855
1955	14,385	5,112	2,436	12,495	34,428	65,855	11,602
1956	14,693	6,116	981	16,409	38,199	63,225	11,882
1957	14,767	5,716	1,039	18,366	39,888	60,013	11,614
1958	14,280	6,599	786	14,744	36,409	55,165	11,197
1959	13,553	7,131	965	23,346	44,995	52,339	12,328
1960	14,877	8,579	824	25,292	49,572	48,982	10,983
1961	14,604	7,363	725	27,638	50,330	52,113	10,154
1962	13,295	9,396	529	30,949	54,169	45,297	10,714
1963	14,529	9,754	409	38,711	63,403	48,667	9,746
1964	14,925	11,030	239	38,270	64,464	50,566	9,934
1965	15,044	11,308	307	44,190	70,849	45,531	9,117
1966	15,324	11,919	242	45,266	72,751	43,409	7,779
1967	13,900	9,800	334	44,400	68,434	51,762	5,900

Year	Oyster (meats)-continued		Scallops, sea (meats)	Other	Grand total, U. S. Catch	Sealskins harvested
	Western	Total				
	(Thousands of pounds)					(Number)
1950	143	76,415	19,980	613,201	4,900,826	60,537
1951	88	72,990	18,746	593,557	4,433,393	51,506
1952	120	82,242	18,630	655,382	4,432,403	63,950
1953	117	79,719	23,618	669,594	4,486,822	66,723
1954	96	81,922	17,631	685,166	4,762,453	63,882
1955	58	77,515	22,125	747,199	4,809,377	65,453

See footnotes at end of table.

(Continued on next page.)

CATCH OF MAJOR SPECIES OF FISH AND SHELLFISH AND
NUMBER OF SEALS HARVESTED, 1950-67 - Continued

Year	Oyster (meats)-continued		Scallops, sea (meats)	Other	Grand total, U.S. Catch	Sealskins harvested
	Western	Total				
	(Thousands of pounds)					(Number)
1956	27	75,134	20,066	851,548	5,268,246	122,826
1957	31	71,658	20,994	819,994	4,789,186	93,618
1958	34	66,396	18,977	780,559	4,747,206	78,919
1959	43	64,710	24,644	756,214	5,121,953	57,810
1960	45	60,010	26,599	635,550	4,942,229	40,616
1961	38	62,305	27,461	656,308	5,186,709	95,974
1962	26	56,037	24,634	709,706	5,354,185	77,915
1963	31	58,444	19,939	717,739	4,847,109	85,254
1964	34	60,534	16,914	716,480	4,540,622	64,206
1965	40	54,688	22,801	760,037	4,776,766	51,020
1966	35	51,223	15,975	831,956	4,364,106	52,866
1967	38	57,700	10,200	891,150	4,061,500	65,672

1/ Landed weight of halibut can be converted to round weight by multiplying by 1.33.

2/ The catch of menhaden represents the total catch of these fish. The historical figures published in Statistical Digest No. 30 and revised and updated in Statistical Digest No. 59 represented the catch used for reduction which normally accounted for over 99 percent of the total catch.

3/ Does not include the catch taken in Puerto Rico.

4/ Includes data on the catch of big-eye tuna in Hawaii.

5/ Includes a small amount of unclassified tuna.

6/ Includes a small amount of other clams.

Note:--This table will not add because halibut has been shown in landed rather than round weight.

WORLD FISHERIES

The world commercial landings of fish, crustaceans, mollusks, etc., increased from 46.52 billion pounds in 1950 to 125.22 billion pounds in 1966--nearly 170 percent. However, the United States has not shared in the expansion of the world's seafood harvest.

This Nation has long been one of the world's leading producers of fishery products. Before World War II and until 1956, the United States ranked second only to Japan in size of catch. In 1957, the expanding fisheries of Mainland China passed the United States. During this period, Peru was developing its spectacular industrial "anchoveta" fishery and the Union of Soviet Socialist Republics was building its large ocean-going fishing fleet. By 1960, the United States dropped to fifth among the fishing nations of the world. Norway passed the United States in 1966 and for the first time, this Nation was not listed among the five leading fishing countries of the world. (See page 27).

CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES, 1966
(Live weight basis)

Country	Billion pounds	Percent
Peru	19.38	15.5
Japan	15.60	12.5
China (Mainland)	1/12.79	10.2
Union of Soviet Socialist Republics	11.79	9.4
Norway	6.28	5.0
United States	2/ 5.61	4.5
Chile	3.05	2.4
India	3.02	2.4
Spain	2.99	2.4
Canada	2.97	2.4
Iceland	2.73	2.2
United Kingdom	2.35	1.9
Republic of Indonesia	2.21	1.8
Denmark	1.88	1.5
France	1.77	1.4
Republic of the Philippines	1.60	1.3
Thailand	1.56	1.2
Republic of Korea	1.55	1.2
Federal Republic of Germany	1.45	1.2
South West Africa	1.43	1.1
North Korea	1.32	1.0
Republic of South Africa	1.17	.9
Portugal	1.11	.9
China (Taiwan)	.94	.8
Pakistan	.91	.7
Republic of Viet Nam	.84	.7
Brazil	3/ .82	.7
Burma	.79	.6
Netherlands	.78	.6
Poland	.74	.6
Italy	.74	.6
Sweden	.69	.6
Morocco	.67	.5
Malaysia	.65	.5
North Viet-Nam	4/ .64	.5
Mexico	.63	.5
Angola	3/ .57	.5
Argentina	.55	.4
Eastern Germany	3/ .51	.4
Other	8.14	6.5
Total	125.22	100.0

1/ 1960 data. 2/ Revised. (Includes the weight of clam, oyster, scallop, and other mollusk shells which are not included in other United States catch statistics.) 3/ 1965 data. 4/ 1962 data. Source:--Yearbook of Fishery Statistics, 1966, Volume 22, Food and Agriculture Organization of the United Nations.

CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY CONTINENTS, 1961 and 1966
(Live weight basis)

Continent	1961	1966	Increase (1966 over 1961)
	Billion pounds	Billion pounds	Percent
Asia	40.90	46.69	14
Europe	18.43	25.42	14
South America	13.87	24.42	76
Union of Soviet Socialist Republics	7.17	11.79	64
North America	9.55	9.70	2
Africa	5.47	6.83	25
Oceania	.29	.37	28
Total	95.68	125.22	31

CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY MAJOR FISHING AREAS, 1961 and 1966
(Live weight basis)

Area	1961	1966	Increase (1966 over 1961)
	Billion pounds	Billion pounds	Percent
Marine areas:			
Pacific Ocean and adjacent areas	45.63	59.74	31
Atlantic Ocean and adjacent areas	33.29	45.64	37
Indian Ocean and adjacent areas	3.53	4.85	37
Total	82.45	110.23	34
Inland waters:			
Asia	9.49	10.37	9
Africa	1.32	1.76	33
Union of Soviet Socialist Republics	1.32	1.76	33
Europe	.44	.44	-
South America	.44	.44	-
North America	.22	.22	-
Oceania	(1)	(1)	-
Total	13.23	14.99	13
Grand total	95.68	125.22	31

1/ Negligible.

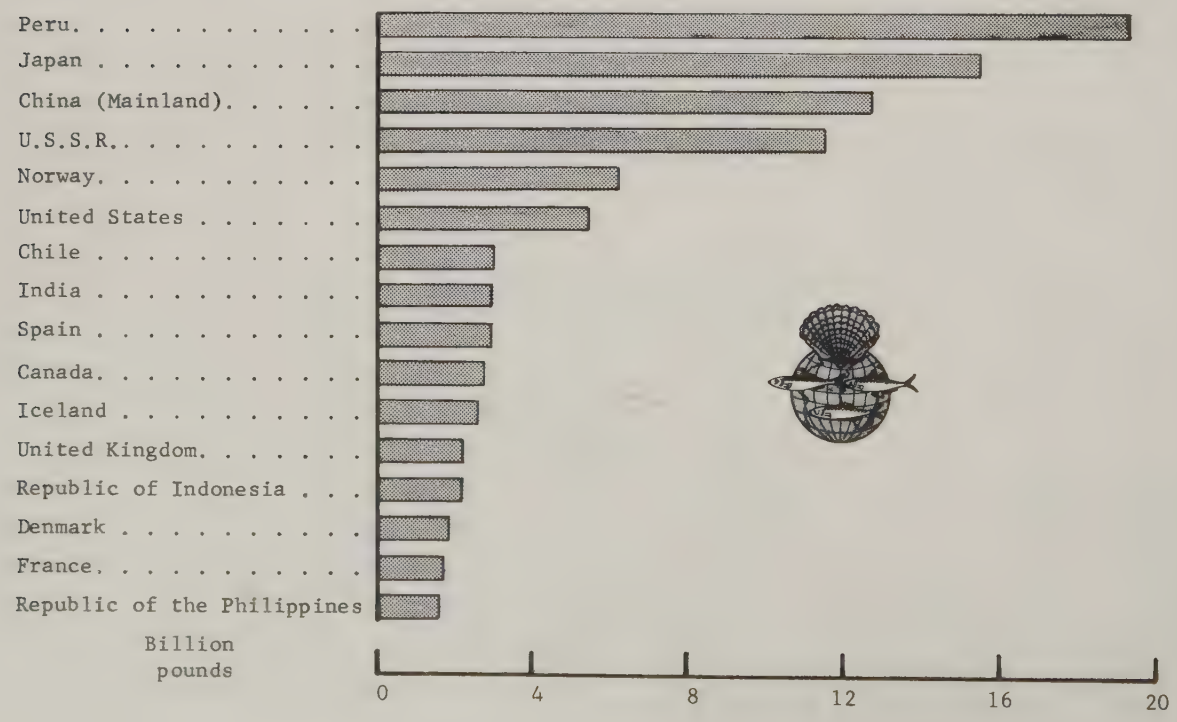
ESTIMATED USE OF THE WORLD CATCH, 1961 and 1966
(Live weight basis)

Manner used	1961	1966	Increase (1966 over 1961)
	Billion pounds	Billion pounds	Percent
Marketed fresh	37.04	39.68	7
Reduced to meal, oil, etc.	21.38	39.02	83
Cured	17.20	17.86	4
Frozen	9.04	15.43	71
Canned	8.82	11.03	25
Miscellaneous purposes	2.20	2.20	-
Total	95.68	125.22	31

CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY SPECIES GROUPS, 1961 and 1966
(Live weight basis)

Species groups	1961	1966	Increase (1966 over 1961)
	Billion pounds	Billion pounds	Percent
Herring, sardines, anchovies, etc.	27.34	41.14	50
Mixed and unidentified fishes	14.33	17.53	22
Cods, hakes, haddocks, etc.	11.13	16.03	44
Fresh-water fishes	12.54	13.56	8
Redfishes	5.27	7.03	33
Mollusks	5.51	6.42	17
Jacks, mullets, etc.	4.37	4.45	2
Mackerels, billfishes, cutlassfishes, etc.	2.18	4.41	102
Tunas, bonitos, skipjacks	2.65	2.91	10
Crustaceans	2.16	2.78	29
Salmons, trouts, smelts	1.79	2.60	45
Flounders, halibuts, soles, etc.	2.93	2.40	-18
Miscellaneous (turtles, frogs, aquatic plants, etc.)	1.60	1.63	2
Shads, milkfishes, etc.	.88	1.15	31
Sharks, rays, chimaeras	.82	.95	16
Sea cucumbers, sea urchins, ascidians, etc.	.07	.10	43
River eels	.07	.09	29
Sturgeons, paddlefishes	.04	.04	-
Total	95.68	125.22	31

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRY, 1966



CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY LEADING COUNTRIES, 1951-66

(Live weight basis)

Year	Country	Million pounds
1951:		
	Japan	8,666
	United States	5,712
	Union of Soviet Socialist Republics	4,358
	Norway	4,053
	China (Mainland)	2,937
1952:		
	Japan	10,634
	United States	5,828
	Union of Soviet Socialist Republics	4,162
	Norway	4,002
	China (Mainland)	3,673
1953:		
	Japan	10,139
	United States	5,878
	Union of Soviet Socialist Republics	4,372
	China (Mainland)	4,189
	Norway	3,433
1954:		
	Japan	10,012
	United States	6,110
	China (Mainland)	5,055
	Union of Soviet Socialist Republics	4,978
	Norway	4,560
1955:		
	Japan	10,819
	United States	6,136
	China (Mainland)	5,551
	Union of Soviet Socialist Republics	5,500
	Norway	3,998
1956:		
	Japan	10,522
	United States	6,574
	China (Mainland)	5,838
	Union of Soviet Socialist Republics	5,767
	Norway	4,822
1957:		
	Japan	11,921
	China (Mainland)	6,878
	United States	6,074
	Union of Soviet Socialist Republics	5,580
	Norway	3,849
1958:		
	Japan	12,136
	China (Mainland)	8,951
	United States	5,960
	Union of Soviet Socialist Republics	5,778
	Norway	3,180
1959:		
	Japan	12,972
	China (Mainland)	11,067
	United States	6,373
	Union of Soviet Socialist Republics	6,076
	Peru	4,821
1960:		
	Japan	13,652
	China (Mainland)	12,787
	Peru	7,868
	Union of Soviet Socialist Republics	6,726
	United States	6,205
1961:		
	Japan	14,794
	China (Mainland) 1/	12,787
	Peru	11,665
	Union of Soviet Socialist Republics	7,165
	United States	6,464
1962:		
	Peru	15,339
	Japan	15,139
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	7,973
	United States	6,554
1963:		
	Peru	15,210
	Japan	14,768
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	8,768
	United States	6,122
1964:		
	Peru	20,098
	Japan	14,001
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	9,867
	United States	5,836
1965:		
	Peru	16,451
	Japan	15,229
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	11,243
	United States	6,006
1966:		
	Peru	19,376
	Japan	15,603
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	11,792
	Norway	6,282

1/ Data are for 1960.

Note:--Data reflect latest information published in Yearbook of Fishery Statistics, Food and Agriculture Organization of the United Nations.

CANNED PACK

The 1967 pack of canned fishery products in the United States, American Samoa, and Puerto Rico was 40.5 million standard cases (1.2 billion pounds) valued at $518.9 million to the packers. The total volume packed was only slightly less (258,000 cases) than in 1966 but there was a noticeable decrease of $44.8 million in value. This resulted from a very low pack of salmon (down 2.3 million cases and $62.7 million) and a record pack of animal food (up 2.2 million cases and $17.5 million). There were gains in the packs of shrimp, oysters, and squid; and smaller packs of tuna, mackerel, crab meat, and clam products.

PACK OF CERTAIN CANNED PRODUCTS, 1966-67

Item	Pounds per case	1966	1967	Record pack	
		Thousand standard cases	Thousand standard cases	Year	Thousand standard cases
Tuna	(1)	19,954	19,682	1966	19,954
Salmon	48	4,358	2,077	1936	8,965
Sardines:					
Maine	23.4	1,333	1,250	1950	3,844
Pacific	45	3	(2)	1950	5,071
Mackerel, jack and Pacific	45	413	283	1947	1,755
Crab meat	19.5	564	467	1966	564
Shrimp	6.75	2,104	2,412	1937	3,189
Clams:					
Whole and minced	15	587	681	1967	681
Chowder and juice	30	2,033	1,838	1966	2,033
Oysters	14	200	330	1937	760
Animal food and bait	48	7,608	9,803	1967	9,803
Other	Various	1,627	1,703	-	-
Total	-	40,784	40,526	-	-

1/ Solid, 21 pounds; chunk, 19.5 pounds; flakes and grated, 18 pounds. 2/ The 1967 pack of Pacific sardines was the lowest on record. Less than three plants were in operation. It has been included with other.

PRODUCTION OF CANNED FISHERY PRODUCTS, VARIOUS YEARS, 1936-67

Year	For human consumption		For animal food and bait		Total
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand dollars
1936	756,593	93,759	12,980	805	94,564
1940	646,130	92,192	35,064	1,990	94,182
1948	718,665	329,210	63,543	6,971	336,181
1949	762,291	286,841	92,724	8,663	295,504
1950	*836,485	317,464	130,630	13,871	331,335
1951	687,999	289,534	112,410	11,676	301,210
1952	641,604	290,161	167,891	15,668	305,829
1953	605,894	289,526	186,300	17,348	306,874
1954	669,209	312,598	193,314	18,420	331,018
1955	586,755	274,967	256,941	28,198	303,165
1956	655,986	316,082	321,777	33,434	349,516
1957	639,965	300,750	347,637	35,079	335,829
1958	733,519	345,616	361,083	42,966	388,582
1959	622,150	310,262	346,985	37,989	348,251
1960	660,928	342,747	422,490	44,848	387,595
1961	708,707	382,809	334,033	40,027	422,836
1962	757,302	410,183	376,408	46,683	456,866
1963	728,937	381,329	306,972	40,278	421,607
1964	742,114	391,026	353,452	45,634	436,660
1965	749,518	446,833	372,111	48,398	495,231
1966	822,369	*507,841	365,178	55,867	*563,708
1967	698,312	445,240	*470,566	*73,675	518,915

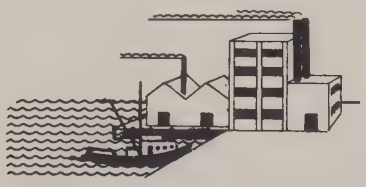
* Record.

FISH MEAL, OIL, AND SOLUBLES

A total of 211,514 tons of fish meal was produced in the United States, American Samoa, and Puerto Rico in 1967. This was a decrease of 6 percent compared with the 1966 production. Menhaden meal amounted to 119,134 tons.

Production of fish and fish liver oils in the United States, American Samoa, and Puerto Rico totaled 122.4 million pounds. Menhaden oil (101.4 million pounds) was 42.8 million pounds less than the production in 1966.

Production of fish solubles was 74,657 tons--11 percent below the 1966 production of 83,441 tons.



PRODUCTION OF FISH MEAL, OIL, AND SOLUBLES, 1966-67

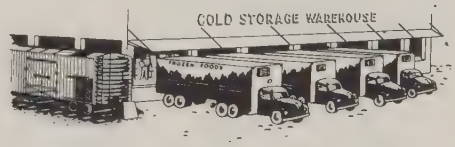
Product	1966	1967	Record	
			Year	Quantity
	Thousand tons	Thousand tons		Thousand tons
Meal:				
Menhaden	135.0	119.1	1961	247.6
Herring, sea	11.9	9.5	1937	20.5
Tuna and mackerel	25.3	25.5	1963	27.0
Unclassified	51.6	57.4	-	-
Total	223.8	211.5	1962	312.3
	Thousand pounds	Thousand pounds	Year	Thousand pounds
Oil:				
Menhaden	144,198	101,384	1961	235,167
Herring, sea	7,882	5,676	1937	42,172
Tuna and mackerel	4,111	5,218	1950	6,633
Unclassified	7,854	10,102	-	-
Total	164,045	122,380	1936	299,264
	Tons	Tons	Year	Tons
Fish solubles	83,441	74,657	1959	165,359

PROCESSED FISHERY PRODUCTS

FROZEN FISH

The 1967 production of frozen fish and shellfish in the U.S. by 97 firms reporting freezings to the Bureau of Commercial Fisheries totaled 324.3 million pounds--down 34.4 million pounds from 1966. Of this amount, salt-water fish comprised 43 percent; shellfish, 36 percent; bait and animal food from both fresh-water and salt-water fish, 20 percent; and fresh-water fish, 1 percent. An average total of 306 plants reported freezings and holdings during 1967.

Cold storage holdings of all fishery products on December 31, 1967 amounted to 252.8 million pounds. This was the high month for holdings during 1967. December 31, 1967 also showed record holdings of shrimp at 63.1 million pounds. Other leading items held on December 31, 1967 were: fillets and steaks, 56.0 million pounds; salt-water blocks, 32.3 million pounds; round, dressed halibut, 14.4 million pounds; and fish sticks and portions (raw and cooked), 14.0 million pounds.



FREEZINGS AND HOLDINGS OF FISH AND SHELLFISH, 1966-67

Item	1966	1967	Record	
	Thousand pounds	Thousand pounds	Year	Thousand pounds
Freezings:				
Bait and animal food	66,060	65,789	1965	76,204
Blocks, fillets, and steaks:				
Ocean perch	21,432	19,756	1951	71,400
Haddock	11,426	4,081	1950	25,224
Other	17,761	15,995	-	-
Round, dressed, etc.:				
Halibut	31,060	26,244	1962	43,306
Whiting	35,876	25,550	1951	45,520
Salmon	24,073	18,299	1945	30,009
Other	27,537	30,620	-	-
Shellfish:				
Shrimp	98,475	103,322	1963	112,496
Other	24,939	14,625	-	-
Total all fishery products	358,639	324,281	1965	366,781
High month	(Aug.) 60,500	(July) 51,793	-	-
Low month	(Jan.) 18,701	(Feb.) 15,039	-	-
Holdings:				
High month	(Nov.)271,828	(Dec.)252,772	Nov. 1966	271,828
Low month	(Mar.)161,779	(May)182,970	Apr. 1923	10,595

FISH STICKS, PORTIONS, AND BREADED SHRIMP

PRODUCTION OF FISH STICKS AND PORTIONS, 1955-67

Year	Fish sticks		Fish portions	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1955	63,046	28,886	(1)	(1)
1956	52,818	23,193	(1)	(1)
1957	53,128	23,544	(1)	(1)
1958	61,011	27,000	21,790	7,972
1959	60,378	28,611	37,147	13,138
1960	65,142	28,671	49,381	17,517
1961	69,824	30,100	59,847	22,192
1962	72,217	30,076	78,678	28,089
1963	79,302	31,590	94,644	33,980
1964	73,574	29,986	106,313	36,532
1965	*82,483	35,778	140,464	56,025
1966	81,414	*35,787	147,581	*58,013
1967	73,881	32,549	*158,392	57,748

1/ Data not available *Record.

Note:--A fish stick, generally cut from a block of fillets, is an elongated piece of breaded fish flesh weighing not less than 3/4 of an ounce and not more than 1-1/4 ounces with the largest dimension at least three times that of the next largest dimension. A fish portion, generally cut from a block of fillets, is a piece of fish flesh generally of uniform size with a thickness of 3/8 of an inch or more, and which does not conform to the definition of a fish stick.

PRODUCTION OF BREADED SHRIMP, 1955-67

Year	Breaded	
	Thousand pounds	Thousand dollars
1955	38,991	26,907
1956	50,888	37,301
1957	51,085	37,764
1958	60,865	43,622
1959	69,764	45,314
1960	70,348	47,015
1961	73,795	55,089
1962	76,803	62,230
1963	76,216	53,527
1964	91,333	63,388
1965	98,144	77,091
1966	*104,926	*94,169
1967	93,105	84,000

*Record.

Note:--Breaded shrimp are peeled shrimp coated with breading ingredients. The product may be identified as fantail (butterfly) and round with or without tail fins and last shell segments; and as portions, sticks, steaks, etc., when prepared from a composite unit of two or more shrimp pieces, whole shrimp or a combination of both without fins or shell.

PROCESSED FISHERY PRODUCTS

PACKAGED FISH

PRODUCTION OF PACKAGED FISH, 1967

Item	Fillets		Steaks		Total	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Fresh. . . .	81,277	36,624	752	491	82,029	37,115
Frozen . . .	63,100	22,488	8,011	4,744	71,111	27,232
Total .	144,377	59,112	8,763	5,235	153,140	64,347

INDUSTRIAL PRODUCTS

PRODUCTION OF INDUSTRIAL PRODUCTS, 1950-67

Year	Quantity			Value			
	Fish meal	Fish solubles 1/	Marine animal oil 2/	Fish meal, oil, and solubles	Shell products	Other industrial products	Grand total
	Tons	Tons	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars	Thousand dollars
1950. . .	239,954	51,863	163,229	51,188	*17,253	8,747	77,188
1951. . .	209,756	50,364	136,292	46,126	15,129	8,058	69,313
1952. . .	221,403	70,482	120,708	42,533	14,703	10,756	67,992
1953. . .	238,851	81,494	152,206	48,387	16,592	9,393	74,372
1954. . .	256,967	115,030	163,985	56,151	17,024	9,252	82,427
1955. . .	264,502	110,919	186,734	57,972	14,542	10,821	83,335
1956. . .	295,793	128,829	201,500	*65,128	14,513	12,096	*91,737
1957. . .	264,085	122,615	152,615	55,429	14,289	11,663	81,381
1958. . .	248,140	130,177	165,210	55,610	11,361	12,912	79,883
1959. . .	306,551	*165,359	187,334	59,061	9,325	13,830	82,216
1960. . .	290,137	98,929	209,143	42,689	10,074	13,832	66,595
1961. . .	311,265	112,254	258,118	51,781	9,362	13,426	74,569
1962. . .	*312,259	124,649	250,075	53,210	8,557	13,911	75,678
1963. . .	255,907	107,402	185,827	47,842	7,000	13,759	68,601
1964. . .	235,252	93,296	180,198	46,998	6,192	16,721	69,911
1965. . .	254,051	94,840	195,440	56,498	5,576	*20,756	82,830
1966. . .	223,821	83,441	164,045	49,916	5,131	17,925	72,972
1967. . .	211,514	74,657	122,380	36,612	4,933	19,578	61,123

1/ Includes homogenized condensed fish for 1950-63. 2/ Record production, 1936 (299.3 million pounds). *Record.

FOREIGN TRADE

U.S. IMPORTS

IMPORTANT FISHERY IMPORTS, 1966-67

Item		1966	1967	5-year average 1961-65
		Quantity	Quantity	Quantity
Edible fishery products:				
Fresh and frozen:				
Fillets:				
Groundfish and ocean perch.	1,000 pounds	108,523	94,065	78,683
Blocks and slabs.	do	206,574	189,505	159,279
Total	do	315,097	283,570	237,962
Other	do	92,708	84,859	72,151
Halibut	do	19,496	15,567	22,777
Salmon.	do	8,296	8,814	9,524
Tuna:				
Albacore.	do	180,167	190,407	126,033
Other	do	207,970	159,383	163,223
Loins and discs	do	15,235	7,968	11,587
Sea scallops (meats).	do	16,712	13,460	13,232
Lobsters:				
Common (includes fresh-cooked meat)	do	17,047	15,569	20,846
Spiny	do	36,923	35,341	35,105
Shrimp (mostly frozen, some canned and dried).	do	178,549	186,073	147,300
Canned:				
Salmon.	do	589	107	3,119
Sardines:				
In oil.	do	23,601	25,493	24,391
Not in oil.	do	33,987	26,942	20,947
Tuna:				
In oil.	do	160	186	285
In brine.	do	61,400	65,133	55,412
Bonito and yellowtail:				
In oil.	do	1,534	558	4,311
In brine.	do	1,320	1,075	2,463
Crab meat	do	2,257	2,160	4,351
Lobsters:				
Common.	do	2,861	2,716	2,783
Spiny	do	157	148	171
Oysters (mostly canned) . . .	do	12,015	16,114	8,120
Nonedible fishery products:				
Scrap and meal.	tons	447,784	651,486	311,256
Solubles.	do	4,308	3,669	6,040
Whale oil, sperm.	1,000 pounds	58,165	51,318	65,770

Note:--The data include imports into U. S. territories and possessions and landings of tuna by foreign vessels in American Samoa.

Source:--Department of Commerce, Bureau of the Census.

FOREIGN TRADE

U.S. IMPORTS

IMPORTS OF SHRIMP, VARIOUS YEARS, 1950-67

Country of origin	1950	1960	1965	1966	1967
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
North America:					
Mexico	39,653	73,583	59,937	68,715	70,395
Panama	143	8,423	10,264	9,733	11,126
El Salvador	-	6,697	5,376	6,955	6,724
Nicaragua	-	266	3,154	3,914	5,053
Guatemala	-	257	1,515	2,481	1,924
Honduras	-	361	1,632	2,107	1,922
Costa Rica	-	461	1,753	1,779	1,679
Canada	89	332	344	159	719
British Honduras	-	1	-	39	385
Canal Zone	148	-	181	143	60
Other	25	378	2,108	3,358	3,984
Total	40,058	90,759	86,264	99,383	103,971
South America:					
Guyana	-	3,568	7,972	8,780	9,452
French Guiana	-	-	3,960	4,668	6,717
Ecuador	-	4,192	5,667	5,239	5,986
Venezuela	-	343	12,719	2,881	4,773
Colombia	-	2,174	1,796	2,212	2,726
Surinam	-	381	1,409	2,080	2,129
Peru	-	256	446	539	254
Chile	-	739	362	282	240
Brazil	-	43	473	487	176
Argentina	-	64	-	15	-
Total	-	11,760	34,804	27,183	32,453
Europe:					
Spain	-	225	389	906	728
Denmark	-	81	51	61	61
United Kingdom	(1)	1	1	1	49
Norway	69	110	39	32	39
Iceland	(1)	92	5	-	2
Italy	3	-	-	3	-
Other	5	8	215	1,108	796
Total	77	517	700	2,111	1,675
Asia:					
India	-	2,892	14,276	16,499	18,436
Pakistan	-	1,018	6,566	8,191	7,457
Thailand	-	40	954	1,787	2,559
Iran	-	1,226	6,801	9,106	1,674
Japan	58	2,947	2,506	2,642	935
Republic of Korea	-	93	934	989	487
Hong Kong	-	3	67	42	75
Other	5	340	8,243	9,633	14,304
Total	63	8,559	40,347	48,889	45,927
Australia and Oceania	(1)	155	164	294	671
Africa	-	1,668	663	689	1,376
Grand total	40,198	113,418	162,942	178,549	186,073

1/ Less than 500 pounds.

Source:--Department of Commerce, Bureau of the Census.

U.S. IMPORTS

IMPORTS OF SHRIMP BY PRODUCT TYPES, 1963-67

Item	1963	1964	1965	1966	1967
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Shell-on (headless)	111,717	112,149	114,177	129,919	131,927
Canned	4,120	3,004	2,248	1,547	2,225
Peeled, raw	29,460	27,385	31,961	37,233	38,959
Peeled, cooked	2,547	2,585	2,883	1,987	1,797
Breaded	484	508	778	527	830
Cured (dried)	279	404	407	578	336
Other 1/	2,923	8,542	10,488	6,758	9,999
Total	151,530	154,577	162,942	178,549	186,073

1/ Includes headless and raw peeled shrimp.

Source:--Department of Commerce, Bureau of the Census.

IMPORTS OF FISH MEAL AND SCRAP BY COUNTRY OF ORIGIN, 1963-67

Country of origin	1963	1964	1965	1966	1967
	Tons	Tons	Tons	Tons	Tons
Angola	691	1,944	2,471	569	-
Canada	50,985	54,769	43,830	43,618	46,626
Chile	23,567	12,942	5,651	89,381	40,937
Peru	285,414	348,025	209,801	276,651	442,547
Norway	1,819	-	78	21,048	113,243
Republic of South Africa	12,296	18,581	5,100	6,600	-
Other countries	1,549	2,882	3,735	9,917	8,133
Total	376,321	439,143	270,666	447,784	651,486

Source:--Department of Commerce, Bureau of the Census.

IMPORTS OF FISH SOLUBLES BY COUNTRY OF ORIGIN, 1963-67

Country of origin	1963	1964	1965	1966	1967
	Tons	Tons	Tons	Tons	Tons
Canada	2,235	1,632	1,488	1,402	1,283
Denmark	-	385	825	-	293
Iceland	160	-	-	-	-
Republic of South Africa	511	987	-	2	-
Other countries	4,206	1,501	2,825	2,904	2,093
Total	7,112	4,505	5,138	4,308	3,669

Source:--Department of Commerce, Bureau of the Census.

FOREIGN TRADE

U.S. IMPORTS

QUOTA AND IMPORTS OF CANNED TUNA, 1956-67

Year	Quota 1/	Imports		
		In brine		In oil
		Under quota 2/	Over quota 3/	
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1956 4/	28,757	27,783	-	586
1957	44,529	42,524	-	1,068
1958	44,694	44,694	752	758
1959	52,373	52,373	2,931	830
1960	53,448	50,322	-	596
1961	57,115	56,210	-	431
1962	59,059	54,379	-	358
1963	63,131	56,414	-	224
1964	60,912	52,931	-	201
1965	66,059	49,204	-	211
1966	65,662	57,987	-	160
1967	69,472	62,275	-	186

1/ Twenty percent of previous year's domestic pack excluding American Samoa.

2/ Dutiable at 12-1/2 percent ad valorem.

3/ Dutiable at 25 percent ad valorem.

4/ From close of business on April 14 through December 31, 1956.

Source:--Department of Treasury, Bureau of Customs - Quota and imports in brine. (Bureau of Customs data on imports in brine will not agree with Bureau of the Census data appearing in other tables in this report.)
Department of Commerce, Bureau of Census - Imports in oil.

IMPORTS OF FISHERY PRODUCTS, 1950-67

Year	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars
1950	639,725	158,414	39,882	198,296
1951	646,668	158,363	54,094	212,457
1952	705,118	183,121	57,308	240,429
1953	726,195	195,869	49,611	245,480
1954	804,054	203,722	48,687	252,409
1955	780,185	208,973	49,896	258,869
1956	801,655	234,699	48,031	282,730
1957	900,227	252,788	46,487	299,275
1958	1,020,326	283,822	46,959	330,781
1959	1,141,114	314,650	55,467	370,117
1960	1,095,014	310,596	52,685	363,281
1961	1,087,175	339,318	61,301	400,619
1962	1,255,532	405,832	83,975	489,807
1963	1,196,977	399,928	100,784	500,712
1964	1,318,099	433,674	130,569	564,243
1965	1,398,778	479,412	121,492	600,904
1966	*1,593,359	*568,216	152,231	*720,447
1967	(1)	2/ 531,900	2/ *155,300	2/ 687,200

1/ Not available. 2/ Preliminary. *Record.

Source:--Department of Commerce, Bureau of the Census.

U.S. IMPORTS

VALUE OF U.S. IMPORTS OF EDIBLE FISHERY PRODUCTS, BY CONTINENT AND COUNTRY OF ORIGIN, 1966

Continent and country of origin	Thousand dollars	Percent
North America:		
Canada	146,145	25.72
Mexico	63,448	11.17
Panama	8,327	1.46
El Salvador	5,483	.96
Greenland	4,656	.82
Other	16,580	2.92
Total	244,639	43.05
South America:		
Guyana	7,337	1.29
Ecuador	7,291	1.29
Brazil	4,551	.80
Peru	4,258	.75
Other	12,568	2.21
Total	36,005	6.34
Europe:		
Iceland	18,440	3.25
Norway	15,365	2.70
Denmark	7,891	1.39
Portugal	6,331	1.11
Spain	5,171	.91
Other	13,156	2.32
Total	66,354	11.68
Asia:		
Japan	109,914	19.34
India	12,217	2.15
Iran	8,443	1.48
Pakistan	6,180	1.09
Malaysia	5,092	.90
Other	13,787	2.43
Total	155,633	27.39
Australia and Oceania:		
Australia	20,134	3.54
New Zealand	6,562	1.16
Other	4,713	.83
Total	31,409	5.53
Africa:		
Republic of South Africa	25,595	4.50
Canary Island	1,921	.34
Ivory Coast	1,497	.26
Other	5,163	.91
Total	34,176	6.01
Grand total	568,216	100.00

Source:--Department of Commerce, Bureau of the Census.

U.S. IMPORTS

U.S. IMPORTS OF EDIBLE FISHERY PRODUCTS, BY CONTINENT AND COUNTRY OF ORIGIN, 1966

Continent and country of origin	Thousand pounds	Percent
North America:		
Canada	556,533	34.93
Mexico	88,900	5.58
Greenland	19,785	1.24
Panama	11,634	.73
El Salvador	7,005	.44
Other	25,311	1.59
Total	709,168	44.51
South America:		
Peru	24,782	1.56
Ecuador	20,642	1.30
Guyana	8,807	.55
French Guiana	4,668	.29
Other	18,387	1.15
Total	77,286	4.85
Europe:		
Iceland	66,381	4.17
Norway	44,854	2.82
Denmark	24,557	1.54
Spain	14,870	.93
Portugal	12,268	.77
France	10,656	.67
West Germany	10,425	.65
Other	24,243	1.52
Total	208,254	13.07
Asia:		
Japan	392,803	24.65
Malaysia	21,070	1.32
India	17,638	1.11
Iran	9,824	.62
Pakistan	8,459	.53
Other	25,613	1.61
Total	475,407	29.84
Australia and Oceania:		
British Western Pacific Islands	19,940	1.25
Australia	13,346	.84
Other	6,786	.42
Total	40,072	2.51
Africa:		
Republic of South Africa	47,620	2.99
Canary Islands	8,398	.53
Ivory Coast	7,311	.46
Sierra Leone	6,838	.43
Other	13,005	.81
Total	83,172	5.22
Grand total	1,593,359	100.00

Source:--Department of Commerce, Bureau of the Census.

U.S. EXPORTS

IMPORTANT DOMESTIC FISHERY EXPORTS, 1966-67

Item	1966	1967	5-year average 1961-65
	Thousand pounds	Thousand pounds	Thousand pounds
Fresh and frozen:			
Salmon	19,845	18,911	8,122
Shrimp	4,927	8,112	6,199
Canned:			
Mackerel	1,139	538	4,776
Salmon	20,484	20,543	14,442
Sardines	3,557	1,373	5,141
Shrimp	4,479	5,255	3,223
Squid	10,159	12,787	7,636
Fish oils, unclassified	77,255	76,816	152,631

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC FISHERY PRODUCTS, 1950-67

Year	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars
1950	121,623	18,856	8,618	27,474
1951	165,624	27,072	8,659	35,731
1952	62,056	15,511	6,436	21,947
1953	69,308	17,084	10,794	27,878
1954	62,724	16,238	15,289	31,527
1955	109,750	24,923	15,054	39,977
1956	101,918	22,939	16,564	39,503
1957	85,221	20,549	15,403	35,952
1958	65,468	19,440	11,564	31,004
1959	80,688	26,747	17,495	44,242
1960	61,454	25,622	18,543	44,165
1961	40,137	19,594	15,116	34,710
1962	56,530	22,470	13,258	35,728
1963	64,745	30,376	26,229	56,605
1964	94,835	42,878	21,326	64,204
1965	96,444	49,308	20,175	69,483
1966	109,604	62,882	21,931	84,813
1967	107,939	67,525	14,684	82,209

Source:--Department of Commerce, Bureau of the Census.

U.S. EXPORTS

EXPORTS OF DOMESTIC AND FOREIGN SHRIMP PRODUCTS, 1963-67

Item	1963	1964	1965	1966	1967
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Fresh and frozen:					
Domestic	8,078	7,852	6,837	4,927	8,112
Foreign	5,733	7,254	7,989	11,397	15,890
Total	13,811	15,106	14,826	16,324	24,002
Canned:					
Domestic	3,199	3,692	4,510	4,479	5,255
Foreign	33	25	34	33	19
Total	3,232	3,717	4,544	4,512	5,274
Cured:					
Domestic	80	157	(1)	(1)	(1)
Foreign	2	6	(1)	(1)	(1)
Total	82	163	(1)	(1)	(1)
Total:					
Domestic	11,357	11,701	11,347	9,406	13,367
Foreign	5,768	7,285	8,023	11,430	15,909
Total	17,125	18,986	19,370	20,836	29,276

1/ Not available. Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC FRESH AND FROZEN SHRIMP, 1963-67

Country of destination	1963	1964	1965	1966	1967
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Bahamas	45	71	90	121	107
Bermuda	51	64	65	68	84
Canada	2,286	2,431	2,580	1,865	2,471
Jamaica	79	89	95	117	107
Japan	5,317	4,774	3,564	1,866	3,904
Mexico	92	89	14	7	525
Nansei and Nanpo Islands	17	68	60	56	168
Netherlands Antilles	28	71	42	55	46
United Kingdom	6	57	5	276	227
Other countries	157	138	322	496	473
Total	8,078	7,852	6,837	4,927	8,112

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC CANNED SHRIMP, 1963-67

Country of destination	1963	1964	1965	1966	1967
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Canada	1,436	1,614	2,085	2,090	2,523
Denmark	80	61	93	35	11
France	95	184	158	196	257
Japan	70	-	-	6	4
Mexico	-	50	-	2	3
Republic of South Africa	45	55	23	38	73
Switzerland	187	197	198	150	159
United Kingdom	1,049	1,299	1,659	1,626	1,710
Other countries	237	232	294	336	515
Total	3,199	3,692	4,510	4,479	5,255

Source:--Department of Commerce, Bureau of the Census.

U.S. EXPORTS

EXPORTS OF DOMESTIC FRESH AND FROZEN SALMON, 1963-67

Country of destination	1963	1964	1965	1966	1967
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Australia	-	28	54	130	107
Belgium	192	184	405	530	692
Canada	1,252	1,364	2,460	3,779	2,527
Denmark	52	65	83	408	172
France	1,549	2,298	2,545	4,701	5,216
Italy	29	21	29	53	16
Japan	4	16,007	1,347	2,468	2,218
Mexico	21	24	29	35	72
Netherlands	116	174	168	172	625
Sweden	24	169	833	1,636	1,644
United Kingdom	1,478	2,139	2,287	5,163	4,635
West Germany	136	34	170	327	443
Other countries	35	53	149	443	544
Total	4,888	22,560	10,559	19,845	18,911

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC CANNED SARDINES, 1963-67

Country of destination	1963	1964	1965	1966	1967
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Belgium	-	120	23	-	-
Canada	-	62	1,813	1,533	625
Ecuador	20	211	75	28	-
Ghana	46	-	1	-	1
Greece	23	-	-	-	-
Hong Kong	20	70	-	-	-
Malaysia	-	-	5	-	-
New Zealand	-	-	43	-	-
Philippines	13	298	10	-	2
Congo	465	-	-	1,068	36
United Kingdom	30	-	2	-	-
Other countries	3,022	2,504	1,404	928	709
Total	3,639	3,265	3,376	3,557	1,373

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC CANNED MACKEREL, 1963-67

Country of destination	1963	1964	1965	1966	1967
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
British Western Pacific Is.	1,041	182	-	-	-
French Pacific Islands	217	389	239	149	20
Greece	224	106	28	26	-
Guatemala	-	206	510	207	350
Hong Kong	16	58	-	61	-
New Zealand	1,461	1,006	22	3	-
Philippines	180	4,850	-	-	-
El Salvador	1,249	1,634	1,062	322	5
Other countries	552	157	313	371	163
Total	4,940	8,588	2,174	1,139	538

Source:--Department of Commerce, Bureau of the Census.

FOREIGN TRADE

U.S. EXPORTS

EXPORTS OF DOMESTIC CANNED SQUID, 1963-67

Country of destination	1963	1964	1965	1966	1967
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Australia	63	137	96	90	100
Greece	5,201	4,452	8,529	5,399	7,199
Netherlands	9	117	64	118	37
Philippines	2,551	1,903	2,452	3,816	4,832
Spain	58	132	-	-	-
West Germany	27	132	471	444	179
Other countries	139	132	299	292	440
Total	8,048	7,005	11,911	10,159	12,787

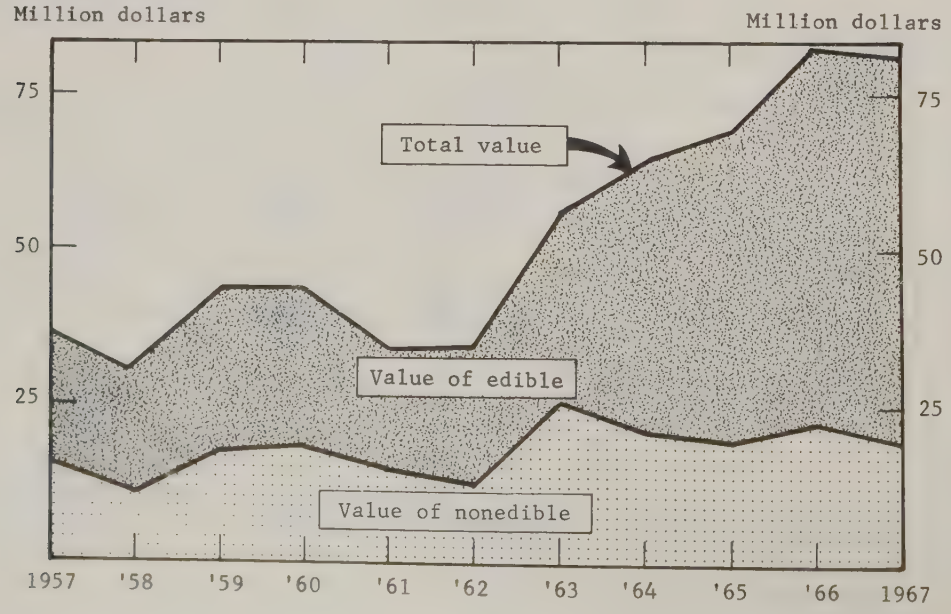
Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC FISH AND FISH LIVER OILS, 1963-67

Country of destination	1963	1964	1965	1966	1967
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Belgium	33	-	3,222	5,001	2,860
Canada	8,177	481	1,438	1,353	323
Denmark	-	4,586	-	-	-
Netherlands	25,847	31,452	17,905	24,490	37,076
Norway	23,744	11,499	4,519	11,448	-
Sweden	73,559	70,948	45,186	6,602	20,415
United Kingdom	86,709	2,284	12,253	14,331	6,630
West Germany	39,456	25,832	12,436	9,375	8,135
Other countries	4,817	4,387	6,848	4,655	1,377
Total	262,342	151,469	103,807	77,255	76,816

Source:--Department of Commerce, Bureau of the Census.

VALUE OF EXPORTS OF FISHERY PRODUCTS, 1957-67



U.S. EXPORTS

U.S. EXPORTS OF DOMESTIC FISHERY PRODUCTS, BY COUNTRY OF DESTINATION, 1966

(Thousands of pounds and thousands of dollars)

Country of Destination	Edible		Nonedible	Total
	Quantity	Value	Value	Value
North America:				
Canada	25,716	13,225	1,661	14,886
Mexico	762	228	72	300
Guatemala	276	90	-	90
British Honduras	13	16	1	17
El Salvador	361	100	3	103
Honduras	174	39	(1)	39
Nicaragua	263	61	-	61
Costa Rica	284	79	-	79
Panama	217	145	2	147
Bermuda	314	251	3	254
Bahamas	500	349	2	351
Jamaica	923	401	5	406
Haiti	4	2	-	2
Dominican Republic	193	90	5	95
Leeward and Windward Islands	302	88	1	89
Barbados	42	36	3	39
Trinidad	47	31	(1)	31
Netherlands Antilles	496	313	(1)	313
French West Indies	1	1	-	1
Total	30,888	15,545	1,758	17,303
South America:				
Colombia	10	8	6	14
Venezuela	489	278	15	293
Guyana	72	36	1	37
Surinam	27	16	1	17
French Guiana	1	1	-	1
Ecuador	36	8	1	9
Peru	64	46	2	48
Bolivia	19	18	(1)	18
Chile	4	3	3	6
Brazil	17	3	15	18
Paraguay	1	1	-	1
Uruguay	1	3	3	6
Argentina	(1)	1	4	5
Total	741	422	51	473
Europe:				
Iceland	4	3	-	3
Sweden	2,623	2,052	601	2,653
Norway	83	110	1,169	1,279
Finland	114	58	(1)	58
Denmark	1,161	1,087	25	1,112
United Kingdom	23,696	17,242	1,763	19,005
Iceland	25	21	-	21
Netherlands	3,313	2,044	2,336	4,380
Belgium	2,374	2,023	471	2,494
France	7,083	5,479	335	5,814
West Germany	1,713	949	1,617	2,566
Austria	24	15	3	18
Czechoslovakia	2	3	-	3
Switzerland	260	276	1,397	1,673
Azores	1	1	-	1
Spain	169	204	7	211
Portugal	29	26	99	125
Gibraltar	5	4	-	4
Malta	11	3	-	3

See footnote at end of table.

(Continued on next page)

SUPPLY OF FISHERY PRODUCTS

SUPPLY OF FISHERY PRODUCTS, 1957-67

(Round weight basis)

Year	Domestic catch		Imports 1/		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1957	4,789	66.8	2,375	33.2	7,164
1958	4,747	63.1	2,779	36.9	7,526
1959	5,122	60.5	3,338	39.5	8,460
1960	4,942	60.1	3,281	39.9	8,223
1961	5,187	54.2	4,383	45.8	9,570
1962	*5,354	51.4	5,054	48.6	10,408
1963	4,847	42.4	6,587	57.6	11,434
1964	4,541	37.7	7,490	62.3	12,031
1965	4,776	45.3	5,758	54.7	10,534
1966	4,364	35.0	8,103	65.0	12,467
1967	4,062	28.6	*10,125	71.4	*14,187

1/ Excludes imports of cured cod into Puerto Rico, but includes landings of foreign-caught tuna in American Samoa. *Record.

SUPPLY OF EDIBLE FISHERY PRODUCTS, 1957-67

(Round weight basis)

Year	Domestic catch		Imports 1/		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1957	2,475	61.4	1,557	38.6	4,032
1958	2,651	61.5	1,663	38.5	4,314
1959	2,369	55.5	1,901	44.5	4,270
1960	2,498	58.6	1,766	41.4	4,264
1961	2,490	57.4	1,845	42.6	4,335
1962	2,540	54.6	2,115	45.4	4,655
1963	2,556	53.2	2,247	46.8	4,803
1964	2,497	51.2	2,376	48.8	4,873
1965	2,586	50.1	2,576	49.9	5,162
1966	2,572	47.4	*2,859	52.6	*5,431
1967	2,385	47.0	2,683	53.0	5,068

1/ Excludes imports of cured cod into Puerto Rico, but includes landings of foreign-caught tuna in American Samoa. *Record. (The record domestic catch of edible fishery products amounting to 3,307 million pounds was landed in 1950.)

SUPPLY OF INDUSTRIAL FISHERY PRODUCTS, 1957-67

(Round weight basis)

Year	Domestic catch		Imports		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1957	2,314	73.9	818	26.1	3,132
1958	2,096	65.3	1,116	34.7	3,212
1959	2,753	65.7	1,437	34.3	4,190
1960	2,444	61.7	1,515	38.3	3,959
1961	2,697	51.5	2,538	48.5	5,235
1962	*2,814	48.9	2,939	51.1	5,753
1963	2,291	34.5	4,340	65.5	6,631
1964	2,044	28.6	5,114	71.4	7,158
1965	2,190	40.8	3,182	59.2	5,372
1966	1,792	25.5	5,244	74.5	7,036
1967	1,677	18.4	*7,442	81.6	*9,119

*Record. Note:--The weights of the domestic catch and imports represent the live (round) weight of all items except univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.) which are shown in the weight of meats, excluding the shell.

SUPPLY OF GROUNDFISH AND ATLANTIC OCEAN PERCH FILLETS, 1957-67

Year	U.S. production		Imports 1/		Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1957	96,650	40.7	140,678	59.3	237,328
1958	99,074	40.3	146,589	59.7	245,663
1959	91,133	33.0	184,837	67.0	275,970
1960	93,818	37.6	155,550	62.4	249,368
1961	93,039	32.3	195,099	67.7	288,138
1962	93,625	29.7	221,420	70.3	315,045
1963	83,419	26.5	231,768	73.5	315,187
1964	75,166	23.4	246,569	76.6	321,735
1965	77,180	20.7	294,954	79.3	372,134
1966	75,418	19.3	*315,097	80.7	*390,515
1967	71,032	20.0	283,570	80.0	354,602

1/ Includes imports of frozen blocks of groundfish. *Record. (The record U.S. production amounted to 148,786,000 pounds in 1951.)

SUPPLY OF FILLETS, STEAKS, ETC., OTHER THAN GROUNDFISH AND ATLANTIC OCEAN PERCH, 1957-67

Year	U.S. production		Imports		Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1957	57,815	47.7	63,300	52.3	121,115
1958	56,801	47.5	62,688	52.5	119,489
1959	56,104	46.4	64,802	53.6	120,906
1960	59,348	49.0	61,713	51.0	121,061
1961	65,073	49.2	67,167	50.8	132,240
1962	76,361	50.0	76,443	50.0	152,804
1963	82,565	54.5	68,869	45.5	151,434
1964	85,955	53.9	73,554	46.1	159,509
1965	*91,652	55.1	74,724	44.9	166,376
1966	90,472	49.4	*92,708	50.6	*183,180
1967	82,108	49.2	84,859	50.8	166,967

*Record.

SUPPLY OF CANNED SALMON, 1957-67

Year	U.S. pack 1/	Percent of total supply	Imports	Percent of total supply	Total supply	Exports	Total for U.S. consumption
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds
1957	153,917	86.3	24,401	13.7	178,318	6,688	171,630
1958	179,134	86.0	29,226	14.0	208,360	9,227	199,133
1959	118,330	79.2	31,154	20.8	149,484	13,826	135,658
1960	136,049	87.7	19,113	12.3	155,162	11,924	143,238
1961	177,443	96.1	7,167	3.9	184,610	7,186	177,424
1962	182,435	96.4	6,843	3.6	189,278	8,978	180,300
1963	158,153	99.2	1,250	.8	159,403	10,228	149,175
1964	180,442	99.9	236	.1	180,678	20,924	159,754
1965	174,413	99.9	101	.1	174,514	24,892	149,622
1966	209,161	99.7	589	.3	209,750	20,484	189,266
1967	99,699	99.9	107	.1	99,806	20,543	79,263

1/ Record pack, 1936 (430,328,496 pounds).

SUPPLY OF FISHERY PRODUCTS

SUPPLY OF FISHERY PRODUCTS, 1957-67

(Round weight basis)

Year	Domestic catch		Imports 1/		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1957	4,789	66.8	2,375	33.2	7,164
1958	4,747	63.1	2,779	36.9	7,526
1959	5,122	60.5	3,338	39.5	8,460
1960	4,942	60.1	3,281	39.9	8,223
1961	5,187	54.2	4,383	45.8	9,570
1962	*5,354	51.4	5,054	48.6	10,408
1963	4,847	42.4	6,587	57.6	11,434
1964	4,541	37.7	7,490	62.3	12,031
1965	4,776	45.3	5,758	54.7	10,534
1966	4,364	35.0	8,103	65.0	12,467
1967	4,062	28.6	*10,125	71.4	*14,187

1/ Excludes imports of cured cod into Puerto Rico, but includes landings of foreign-caught tuna in American Samoa. *Record.

SUPPLY OF EDIBLE FISHERY PRODUCTS, 1957-67

(Round weight basis)

Year	Domestic catch		Imports 1/		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1957	2,475	61.4	1,557	38.6	4,032
1958	2,651	61.5	1,663	38.5	4,314
1959	2,369	55.5	1,901	44.5	4,270
1960	2,498	58.6	1,766	41.4	4,264
1961	2,490	57.4	1,845	42.6	4,335
1962	2,540	54.6	2,115	45.4	4,655
1963	2,556	53.2	2,247	46.8	4,803
1964	2,497	51.2	2,376	48.8	4,873
1965	2,586	50.1	2,576	49.9	5,162
1966	2,572	47.4	*2,859	52.6	*5,431
1967	2,385	47.0	2,683	53.0	5,068

1/ Excludes imports of cured cod into Puerto Rico, but includes landings of foreign-caught tuna in American Samoa. *Record. (The record domestic catch of edible fishery products amounting to 3,307 million pounds was landed in 1950.)

SUPPLY OF INDUSTRIAL FISHERY PRODUCTS, 1957-67

(Round weight basis)

Year	Domestic catch		Imports		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1957	2,314	73.9	818	26.1	3,132
1958	2,096	65.3	1,116	34.7	3,212
1959	2,753	65.7	1,437	34.3	4,190
1960	2,444	61.7	1,515	38.3	3,959
1961	2,697	51.5	2,538	48.5	5,235
1962	*2,814	48.9	2,939	51.1	5,753
1963	2,291	34.5	4,340	65.5	6,631
1964	2,044	28.6	5,114	71.4	7,158
1965	2,190	40.8	3,182	59.2	5,372
1966	1,792	25.5	5,244	74.5	7,036
1967	1,677	18.4	*7,442	81.6	*9,119

*Record. Note:--The weights of the domestic catch and imports represent the live (round) weight of all items except univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.) which are shown in the weight of meats, excluding the shell.

SUPPLY OF GROUNDFISH AND ATLANTIC OCEAN PERCH FILLETS, 1957-67

Year	U.S. production		Imports 1/		Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1957	96,650	40.7	140,678	59.3	237,328
1958	99,074	40.3	146,589	59.7	245,663
1959	91,133	33.0	184,837	67.0	275,970
1960	93,818	37.6	155,550	62.4	249,368
1961	93,039	32.3	195,099	67.7	288,138
1962	93,625	29.7	221,420	70.3	315,045
1963	83,419	26.5	231,768	73.5	315,187
1964	75,166	23.4	246,569	76.6	321,735
1965	77,180	20.7	294,954	79.3	372,134
1966	75,418	19.3	*315,097	80.7	*390,515
1967	71,032	20.0	283,570	80.0	354,602

1/ Includes imports of frozen blocks of groundfish. *Record. (The record U.S. production amounted to 148,786,000 pounds in 1951.)

SUPPLY OF FILLETS, STEAKS, ETC., OTHER THAN GROUNDFISH AND ATLANTIC OCEAN PERCH, 1957-67

Year	U.S. production		Imports		Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1957	57,815	47.7	63,300	52.3	121,115
1958	56,801	47.5	62,688	52.5	119,489
1959	56,104	46.4	64,802	53.6	120,906
1960	59,348	49.0	61,713	51.0	121,061
1961	65,073	49.2	67,167	50.8	132,240
1962	76,361	50.0	76,443	50.0	152,804
1963	82,565	54.5	68,869	45.5	151,434
1964	85,955	53.9	73,554	46.1	159,509
1965	*91,652	55.1	74,724	44.9	166,376
1966	90,472	49.4	*92,708	50.6	*183,180
1967	82,108	49.2	84,859	50.8	166,967

*Record.

SUPPLY OF CANNED SALMON, 1957-67

Year	U.S. pack 1/	Percent of total supply	Imports	Percent of total supply	Total supply	Exports	Total for U.S. consumption
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds
1957	153,917	86.3	24,401	13.7	178,318	6,688	171,630
1958	179,134	86.0	29,226	14.0	208,360	9,227	199,133
1959	118,330	79.2	31,154	20.8	149,484	13,826	135,658
1960	136,049	87.7	19,113	12.3	155,162	11,924	143,238
1961	177,443	96.1	7,167	3.9	184,610	7,186	177,424
1962	182,435	96.4	6,843	3.6	189,278	8,978	180,300
1963	158,153	99.2	1,250	.8	159,403	10,228	149,175
1964	180,442	99.9	236	.1	180,678	20,924	159,754
1965	174,413	99.9	101	.1	174,514	24,892	149,622
1966	209,161	99.7	589	.3	209,750	20,484	189,266
1967	99,699	99.9	107	.1	99,806	20,543	79,263

1/ Record pack, 1936 (430,328,496 pounds).

SUPPLY OF FISHERY PRODUCTS

SUPPLY OF CANNED TUNA, 1960-67

Year	U.S. pack from domestic catch 1/		U.S. pack from imported fresh and frozen tuna 2/		Total	Imported canned		Total supply
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1960 . . .	142,638	40.4	158,750	45.0	301,388	51,755	14.6	353,143
1961 . . .	163,853	44.4	146,759	39.7	310,612	58,663	15.9	369,275
1962 . . .	147,586	37.6	187,920	47.9	335,506	56,719	14.5	392,225
1963 . . .	160,822	41.8	165,890	43.2	326,712	57,494	15.0	384,206
1964 . . .	154,208	38.1	195,626	48.4	349,834	54,647	13.5	404,481
1965 . . .	161,515	39.5	196,890	48.1	358,405	50,961	12.4	409,366
1966 . . .	153,231	33.6	*241,037	52.9	*394,268	61,560	13.5	*455,828
1967 . . .	*183,382	40.4	205,463	45.2	388,845	*65,319	14.4	454,164

1/ Includes pack from the U.S. catch landed in Puerto Rico.

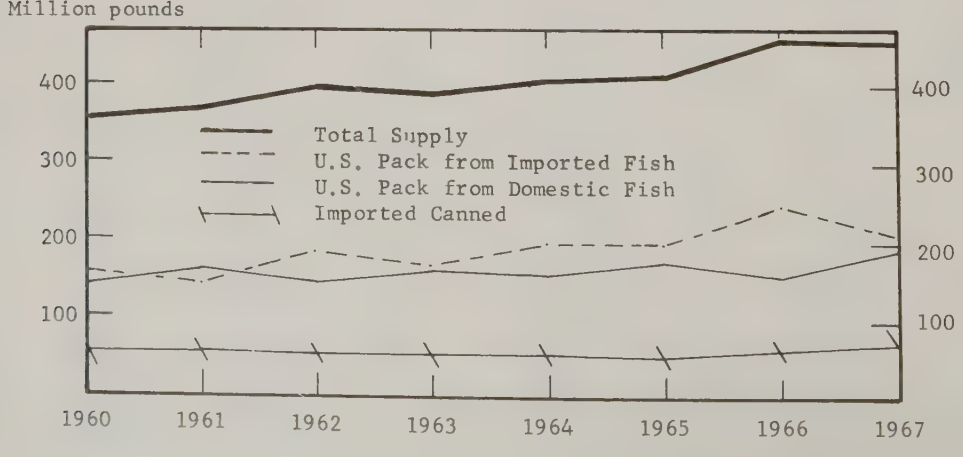
2/ Includes tuna canned in American Samoa.

*Record.

SUPPLY OF CANNED BONITO AND YELLOWTAIL, 1957-67

Year	U.S. pack		Imports				Total supply
			In oil	In brine	Total		
	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1957 . . .	220	1.4	11,608	3,905	15,513	98.6	15,733
1958 . . .	2,107	14.4	9,759	2,732	12,491	85.6	14,598
1959 . . .	1,071	7.3	9,675	3,848	13,523	92.7	14,594
1960 . . .	276	2.7	7,109	2,795	9,904	97.3	10,180
1961 . . .	3,023	22.6	6,853	3,503	10,356	77.4	13,379
1962 . . .	610	6.5	6,127	2,600	8,727	93.5	9,337
1963 . . .	1,387	19.1	3,480	2,385	5,865	80.9	7,252
1964 . . .	467	8.6	3,050	1,940	4,990	91.4	5,457
1965 . . .	944	19.4	2,044	1,888	3,932	80.6	4,876
1966 . . .	4,426	60.8	1,534	1,320	2,854	39.2	7,280
1967 . . .	5,996	78.6	558	1,075	1,633	21.4	7,629

SUPPLY OF CANNED TUNA, 1960-67



CATCH AND IMPORTS OF TUNA, 1957-67

Year	U.S. Catch			Imports		
	Atlantic, Gulf, and Pacific Coast States and Hawaii	Puerto Rico	Total	Fresh & frozen including cooked loins and discs 1/	Canned	
					In oil	In brine
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1957 . . .	304,891	18,393	323,284	189,153	1,068	43,318
1958 . . .	328,232	16,652	344,884	263,171	758	45,446
1959 . . .	285,909	22,090	307,999	312,154	830	55,304
1960 . . .	298,203	20,910	319,113	304,927	596	51,159
1961 . . .	325,804	31,050	356,854	269,165	431	58,232
1962 . . .	312,157	28,790	340,947	364,528	358	56,361
1963 . . .	321,619	37,025	358,644	320,910	224	57,270
1964 . . .	305,829	48,393	354,222	379,242	201	54,446
1965 . . .	318,895	54,576	373,471	378,637	211	50,750
1966 . . .	269,180	64,698	333,878	449,840	160	61,400
1967 . . .	328,991	97,882	426,873	388,831	186	65,133

1/ Round weight. Includes landings of foreign-caught fish in American Samoa.

SUPPLY OF CANNED SARDINES, 1957-67

Year	U.S. production		Imports 1/		Exports		Total for U.S. consumption
	Maine	Pacific	In oil	Not in oil	In oil	Not in oil	
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1957 . . .	51,894	22,399	20,127	14,396	379	14,922	93,515
1958 . . .	49,139	100,016	18,001	21,172	645	17,816	169,867
1959 . . .	41,024	33,956	21,153	11,603	1,271	37,453	69,012
1960 . . .	46,744	27,714	21,236	16,732	264	20,955	91,207
1961 . . .	17,635	18,859	27,877	25,702	185	7,475	82,413
1962 . . .	50,248	6,168	32,603	32,476	578	7,188	113,729
1963 . . .	37,890	2,568	19,913	30,164	146	3,493	86,896
1964 . . .	20,259	5,438	20,068	33,590	839	2,426	76,090
1965 . . .	29,646	374	21,584	31,435	(2)	3,376	79,663
1966 . . .	31,118	116	23,601	33,987	(2)	3,557	85,265
1967 . . .	29,260	(3)	25,493	26,942	(2)	1,373	80,322

1/ Includes sea herring. 2/ Data on the pack in oil have been included with the pack not in oil. 3/ Lowest on record, data confidential.

SUPPLY OF CANNED SARDINES OBTAINED FROM DOMESTIC PACK AND IMPORTS, 1957-67

Year	U.S. pack 1/	Percent of total supply	Imports 2/	Percent of total supply	Total supply
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1957 . . .	74,293	68.3	34,523	31.7	108,816
1958 . . .	149,155	79.2	39,173	20.8	188,328
1959 . . .	74,980	69.6	32,756	30.4	107,736
1960 . . .	74,458	66.2	37,968	33.8	112,426
1961 . . .	36,494	40.5	53,579	59.5	90,073
1962 . . .	56,416	46.4	65,079	53.6	121,495
1963 . . .	40,458	44.7	50,077	55.3	90,535
1964 . . .	25,697	32.4	53,658	67.6	79,355
1965 . . .	30,020	36.2	53,019	63.8	83,039
1966 . . .	31,234	35.2	57,588	64.8	88,822
1967 . . .	29,260	35.8	52,435	64.2	81,695

1/ Includes the pack of Maine and Pacific sardines for 1957-66. Data on Pacific sardines for 1967 is confidential. 2/ Includes sea herring.

SUPPLY OF FRESH AND FROZEN SPINY LOBSTERS, 1957-67

Year	U.S. catch 1/	Imports 2/
	Thousand pounds	Thousand pounds
1957	4,687	28,236
1958	3,588	25,938
1959	3,698	28,092
1960	3,210	32,346
1961	3,235	32,610
1962	3,664	35,947
1963	4,180	34,048
1964	4,088	35,104
1965	*6,237	*37,814
1966	5,844	36,923
1967	4,800	35,341

1/ Round weight. 2/ Imported weight, consisting largely of tails. *Record.

SUPPLY OF FRESH AND FROZEN NORTHERN LOBSTERS, 1957-67

Year	U.S. catch				Imports		Total supply
	Maine	Other States	Total	Percent of total	Total 1/	Percent of total	
	Thousand pounds	Thousand pounds	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1957	24,403	5,752	30,155	58	22,218	42	52,373
1958	21,312	5,915	27,227	56	21,413	44	48,640
1959	22,329	6,756	29,085	58	20,635	42	49,720
1960	24,014	7,154	*31,168	59	21,403	41	52,571
1961	20,918	7,080	27,998	57	21,299	43	49,297
1962	22,075	7,422	29,497	57	22,101	43	51,598
1963	22,804	7,470	30,274	58	21,847	42	52,121
1964	21,413	9,545	30,958	60	20,386	40	51,344
1965	18,862	11,384	30,246	62	18,597	38	48,843
1966	19,916	9,625	29,541	63	17,047	37	46,588
1967	16,500	10,300	26,800	63	15,569	37	42,369

1/ Record imports, 1951 (23,558,000 pounds). *Record.

SUPPLY OF SHRIMP, 1957-67

Year	U.S. catch			Imports 1/			Total, Heads-off
	Heads-on	Heads-off	Percent of total	Import weight	Heads-off	Percent of total	
	Thousand pounds	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1957	203,882	121,358	64	69,676	69,676	36	191,034
1958	213,842	127,287	60	85,394	85,394	40	212,681
1959	240,182	142,965	56	106,555	111,704	44	254,669
1960	249,452	148,483	55	113,418	119,139	45	267,622
1961	174,530	103,865	44	126,268	134,564	56	238,429
1962	191,105	119,154	44	141,183	152,504	56	271,658
1963	240,478	150,737	47	151,530	167,344	53	318,081
1964	211,821	133,113	44	154,577	169,510	56	302,623
1965	243,645	152,346	46	162,942	178,955	54	331,301
1966	239,046	148,255	43	178,549	194,946	57	343,201
1967	*312,200	*192,000	49	*186,073	*202,687	51	*394,687

1/ Imports for 1957 and 1958 were considered to consist entirely of heads-off shrimp. Those for the following years were converted to heads-off weight on the basis of available data on the actual condition of the imports. *Record.

SUPPLY OF SCALLOP MEATS, 1957-67

Year	U.S. catch 1/				Imports				Total for U.S. consumption
	Massachusetts	Other States	Total	Percent of total	Canada	Other countries	Total	Percent of total	
	Thousand pounds	Thousand pounds	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1957	20,011	3,311	23,322	87.4	2,532	836	3,368	12.6	26,690
1958	16,856	4,392	21,248	84.5	2,464	1,439	3,903	15.5	25,151
1959	19,530	6,306	25,836	83.5	3,265	1,842	5,107	16.5	30,943
1960	21,512	7,230	28,742	80.7	6,340	533	6,873	19.3	35,615
1961	*21,608	7,587	*29,195	77.1	8,555	97	8,652	22.9	37,847
1962	20,810	7,000	27,810	70.6	11,370	193	11,563	29.4	*39,373
1963	16,941	4,515	21,456	61.6	2/13,233	164	2/13,397	38.4	2/34,853
1964	14,051	4,750	18,801	53.8	2/15,527	648	2/16,175	46.2	2/34,976
1965	12,317	*10,484	22,801	58.0	2/15,315	1,180	2/16,495	42.0	2/39,296
1966	11,694	7,918	19,612	54.0	*2/16,590	122	*2/16,712	46.0	2/36,324
1967	6,800	3,400	10,200	43.1	2/13,131	329	2/13,460	56.9	2/23,660

1/ Principally sea scallops. 2/ Includes small quantities of canned. *Record.

SUPPLY OF CANNED SHRIMP, 1959-67

Year	U.S. pack	Imports	Exports		Total for U.S. consumption
			Domestic	Foreign	
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1959	13,832	(1)	2,876	19	(1)
1960	14,268	(1)	3,482	34	(1)
1961	9,284	(1)	2,503	25	(1)
1962	13,249	(1)	2,212	44	(1)
1963	15,904	2/4,120	3,199	33	16,792
1964	9,740	3,004	3,692	25	9,027
1965	15,629	2,248	4,510	34	13,333
1966	14,201	1,547	4,479	33	11,269
1967	16,283	2,225	5,255	19	13,253

1/ Data not available. 2/ Partly estimated.

SUPPLY OF FISHERY PRODUCTS

SUPPLY OF CANNED CRAB MEAT, 1957-67

Year	U.S. pack	Percent of total supply	Imports 1/	Percent of total supply	Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1957	3,013	32.8	6,185	67.2	9,198
1958	2,804	32.4	5,854	67.6	8,658
1959	2,942	28.7	7,304	71.3	10,246
1960	4,115	47.7	4,507	52.3	8,622
1961	5,000	54.1	4,237	45.9	9,237
1962	5,621	61.6	3,505	38.4	9,126
1963	7,356	58.1	5,296	41.9	12,652
1964	6,567	59.1	4,550	40.9	11,117
1965	9,139	68.7	4,166	31.3	13,305
1966	*11,002	83.0	2,257	17.0	13,259
1967	9,105	80.8	2,160	19.2	11,265

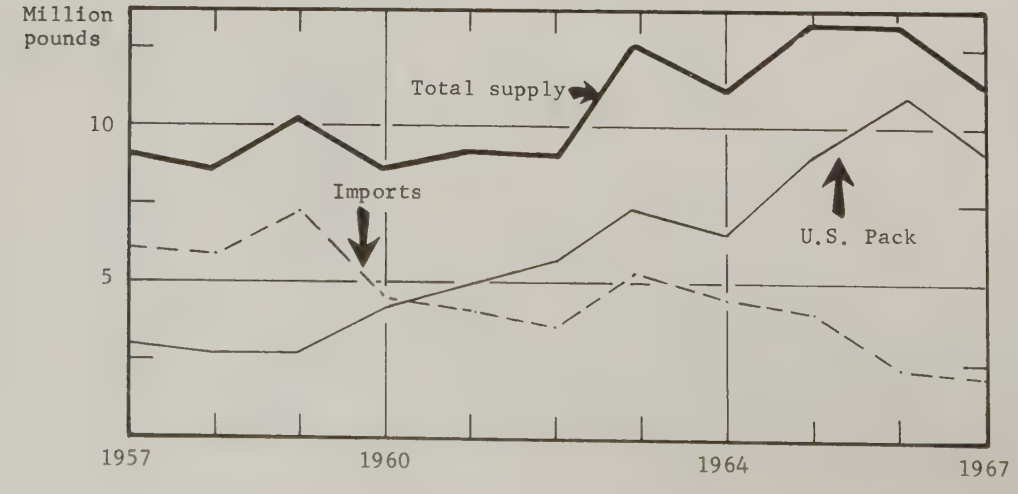
1/ Record imports, 1939 (13,507,000 pounds). *Record.

SUPPLY OF FISH OILS, 1957-67

(Excluding liver, whale, and sperm oil)

Year	U.S. production	Imports	Total supply	Exports	Total for U.S. consumption
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1957	148,194	7,252	155,446	114,938	40,508
1958	161,636	4,928	166,564	94,042	72,522
1959	183,177	6,750	189,927	144,481	45,446
1960	205,619	8,932	214,551	143,659	70,892
1961	254,596	8,385	262,981	122,486	140,495
1962	247,464	10,755	258,219	123,050	135,169
1963	183,673	8,579	192,252	262,342	-70,090
1964	177,015	11,828	188,843	151,469	37,374
1965	192,773	5,991	198,764	103,807	94,957
1966	163,680	12,663	176,343	77,255	99,088
1967	119,897	6,959	126,856	76,816	50,040

SUPPLY OF CANNED CRAB MEAT, 1957-67



SUPPLY OF FISH MEAL AND SOLUBLES, 1957-67

Year	U.S. production 1/		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1957	325,221	79.0	86,414	21.0	411,635
1958	313,228	74.3	108,167	25.7	421,395
1959	*389,231	72.5	147,392	27.5	536,623
1960	339,601	71.8	133,349	28.2	472,950
1961	367,392	62.3	221,923	37.7	589,315
1962	374,583	59.4	256,320	40.6	630,903
1963	309,608	44.9	380,132	55.1	689,740
1964	281,900	38.9	443,154	61.1	725,054
1965	301,471	52.2	275,804	47.8	577,275
1966	265,541	37.0	452,091	63.0	717,632
1967	248,842	27.5	*655,155	72.5	*903,997

1/ Includes homogenized condensed fish for 1957-63. *Record. Note:--Wet weight of solubles and homogenized condensed fish have been converted to dry weight by reducing their poundage by one-half.

SUPPLY OF FISH MEAL, 1957-67

Year	U.S. production		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1957	264,085	76.5	81,196	23.5	345,281
1958	248,140	71.2	100,352	28.8	348,492
1959	306,551	69.8	132,925	30.2	439,476
1960	290,137	68.8	131,561	31.2	421,698
1961	311,265	58.8	217,845	41.2	529,110
1962	*312,259	55.3	252,307	44.7	564,566
1963	255,907	40.5	376,321	59.5	632,228
1964	235,252	34.9	439,143	65.1	674,395
1965	254,051	48.4	270,666	51.6	524,717
1966	223,821	33.3	447,784	66.7	671,605
1967	211,514	24.5	*651,486	75.5	*863,000

*Record.

SUPPLY OF FISH SOLUBLES, 1957-67

Year	U.S. production 1/		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1957	122,273	92.6	9,709	7.4	131,982
1958	130,177	89.9	14,567	10.1	144,744
1959	*165,359	86.1	26,630	13.9	191,989
1960	98,929	96.9	3,174	3.1	102,103
1961	112,254	94.3	6,739	5.7	118,993
1962	124,649	95.2	6,308	4.8	130,957
1963	107,402	93.8	7,112	6.2	114,514
1964	93,296	95.4	4,505	4.6	97,801
1965	94,840	94.9	5,138	5.1	99,978
1966	83,441	95.1	4,308	4.9	87,749
1967	74,657	95.3	3,669	4.7	78,326

1/ Includes homogenized condensed fish for 1957-63. *Record. Note:--Imports of solubles are understood to be on a wet-weight basis except for those from the Republic of South Africa, which are believed to be on a dry-weight basis.

VALUE

VALUE OF PROCESSED FISHERY PRODUCTS AT PROCESSOR'S LEVEL, 1966-67

(Processed from domestic catch and imported products)

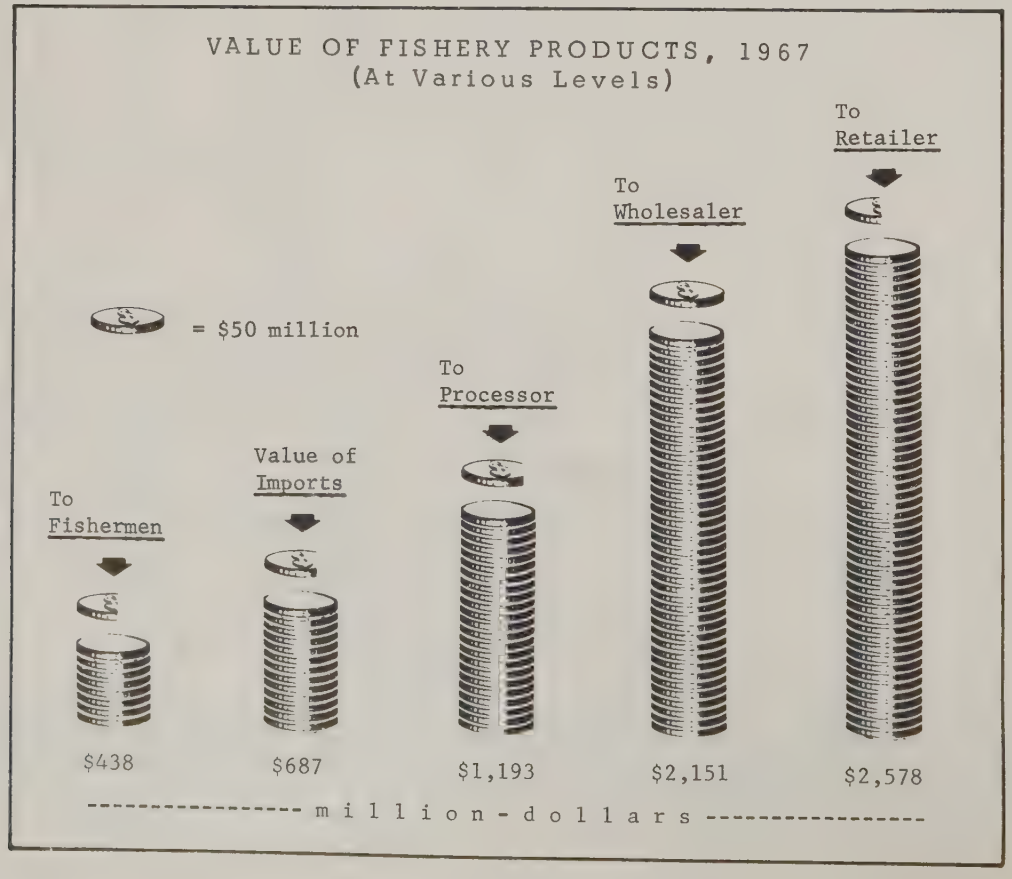
Item	1966		1967 1/	
	Thousand dollars	Percent of total	Thousand dollars	Percent of total
Canned	563,708	45.3	518,915	43.5
Packaged:				
Fillets and steaks	69,536	5.6	64,347	5.4
Fish sticks	35,787	2.9	32,549	2.7
Fish portions	58,013	4.7	57,748	4.9
Breaded shrimp	94,169	7.6	84,000	7.1
Other (fish and shellfish)	296,509	23.8	326,000	27.3
Cured	51,843	4.2	48,000	4.0
Industrial products	72,972	5.9	61,123	5.1
Total	1,242,537	100.0	1,192,682	100.0

1/ Preliminary.

ESTIMATED VALUE OF FISHERY PRODUCTS AT VARIOUS LEVELS, 1966-67

Level	1966			1967 1/		
	Domestic fisheries	Imports	Total	Domestic fisheries	Imports	Total
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Producer (fishermen)	472	-	472	438	-	438
Imports (declared value)	-	720	720	-	687	687
Processor	797	446	1,243	755	438	1,193
Wholesaler	1,123	1,144	2,267	1,042	1,109	2,151
Retailer	1,463	1,258	2,721	1,358	1,220	2,578

1/ Preliminary.



U.S. CUSTOMS DUTIES

IMPORTS: VALUE, DUTIES COLLECTED, AND AD VALOREM EQUIVALENT, 1936-66

Year	Value		Duties collected		Average ad valorem equivalent	
	Fishery imports	All imports	Fishery imports	All imports	Fishery imports	All imports
	Thousand dollars	Thousand dollars	Thousand dollars	Thousand dollars	Percent	Percent
1936. . . .	41,873	2,423,977	6,545	400,558	15.6	16.5
1937. . . .	50,636	3,009,852	8,254	465,253	16.3	15.5
1938. . . .	39,307	1,949,624	5,701	293,070	14.5	15.0
1939. . . .	45,999	2,276,099	6,015	316,372	13.1	13.9
1940. . . .	41,830	2,540,656	4,772	305,609	11.4	12.0
1941. . . .	40,981	3,221,954	3,888	413,846	9.5	12.8
1942. . . .	39,568	2,780,317	2,714	323,409	6.9	11.6
1943. . . .	67,183	3,390,101	3,523	395,030	5.2	11.7
1944. . . .	78,418	3,887,490	4,386	382,109	5.6	9.8
1945. . . .	101,254	4,098,101	6,979	391,476	6.9	9.6
1946. . . .	129,713	4,824,902	8,047	498,001	6.2	10.3
1947. . . .	109,975	5,666,321	6,895	445,355	6.3	7.9
1948. . . .	156,648	7,092,032	8,694	417,401	5.6	5.9
1949. . . .	151,614	6,591,640	7,560	374,291	5.0	5.7
1950. . . .	198,296	8,743,082	12,484	529,621	6.3	6.1
1951. . . .	212,457	10,817,341	10,346	603,468	4.9	5.6
1952. . . .	240,429	10,747,497	11,982	574,733	5.0	5.3
1953. . . .	245,480	10,778,905	14,026	597,760	5.7	5.5
1954. . . .	252,409	10,239,517	14,405	556,936	5.7	5.4
1955. . . .	258,869	11,336,787	14,530	669,579	5.6	5.9
1956. . . .	282,730	12,515,747	15,504	739,228	5.5	5.9
1957. . . .	299,275	12,950,606	15,955	776,884	5.3	6.0
1958. . . .	330,781	12,739,429	16,645	832,155	5.0	6.5
1959. . . .	370,117	14,993,594	17,737	1,066,536	4.8	7.1
1960. . . .	363,281	14,650,000	15,857	1,084,000	4.4	7.4
1961. . . .	400,619	14,657,000	16,904	1,057,000	4.2	7.2
1962. . . .	489,807	16,241,000	17,910	1,220,000	3.7	7.5
1963. . . .	500,712	17,014,000	17,660	1,236,000	3.5	7.3
1964. . . .	564,243	18,600,300	22,035	1,583,000	3.9	8.5
1965. . . .	600,904	21,281,800	22,595	1,639,921	3.8	7.7
1966. . . .	720,447	25,360,330	24,812	1,919,514	3.4	7.6

PRICES

PRICES RECEIVED BY FISHERMEN

Average prices paid to fishermen, as measured by the following indexes, were down 2 percent from 1966, but were 14 percent above the 1957-59 average. The index for all finfish prices declined 5 percent in 1967 owing to the sharp drop in tuna and industrial fish prices. Salmon rose moderately in 1967 while New England finfish prices advanced fractionally. Shellfish prices rose 4 percent in 1967. The decline in shrimp prices was more than offset by the sharp increase in prices for all other shellfish.

INDEXES OF EXVESSEL PRICES RECEIVED BY FISHERMEN, BY MONTHS, 1967 1/ (1957-59=100)

Group	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
New England finfish.	115	147	104	100	95	92	95	99	106	104	118	138
Salmon	113	113	113	115	116	119	119	119	120	120	120	119
Tuna	128	116	109	104	95	99	99	100	100	100	100	100
Industrial fish.	126	126	126	102	102	102	102	102	102	102	102	102
All finfish.	120	125	113	106	102	104	104	106	108	107	111	115
Shrimp	132	153	149	149	114	91	92	98	106	125	125	127
Other shellfish.	111	121	126	119	110	105	111	128	124	116	127	132
All shellfish.	121	137	136	127	111	99	104	115	116	120	126	130
All fish.	121	130	123	115	106	102	104	110	111	112	117	122

1/ Preliminary.

Note:--Monthly prices for species representing approximately two-thirds of the total landed value of all fish and shellfish during recent years have been combined into index groups to indicate movement of prices received by fishermen.

Source:--Branch of Current Economic Analysis.

INDEXES OF EXVESSEL PRICES RECEIVED BY FISHERMEN, 1962-67 1/ (1957-59=100)

Group	1962	1963	1964	1965	1966	1967 2/
New England finfish.	87	94	87	98	108	109
Salmon	114	117	111	110	112	117
Tuna	110	96	95	100	123	104
Industrial fish.	84	94	108	120	126	108
All finfish.	100	101	100	107	116	110
Shrimp	118	94	95	103	128	122
Other shellfish.	97	103	108	117	106	119
All shellfish.	106	100	102	111	115	120
All fish.	103	100	101	109	116	114

1/ Simple averages of the 12 months.

2/ Preliminary.

Source:--Branch of Current Economic Analysis.

WHOLESALE PRICES

WHOLESALE AVERAGE PRICES AND INDEXES FOR EDIBLE FISH AND SHELLFISH, BY MONTHS, 1967

Group, subgroup, and item specification	Point of pricing	Unit	Jan.	Feb.	Mar.	Apr.	May	June
			Dollars					
FRESH AND FROZEN FISHERY PRODUCTS:								
Haddock, large, offshore, drawn, fresh	Boston	lb.	.22	.21	.10	.14	.12	.10
Halibut, west., 20/80 lbs., dressed, fresh or frozen.	New York	lb.	.48	.47	.44	.41	.38	.38
Salmon, king, large & medium, dressed, fresh or frozen.	New York	lb.	.88	.87	.87	.86	.86	.86
Whitefish, L. Superior, drawn, fresh	Chicago	lb.	.74	.79	.81	.82	.66	.70
Yellow pike, L. Michigan & Huron, round, fresh	New York	lb.	.70	.75	.75	.64	.62	.64
PROCESSED, FRESH (fish & shellfish):								
Fillets, haddock, small, skins on, 20-lb. tins	Boston	lb.	.52	.55	.36	.44	.42	.39
Shrimp, large (26-30 count), headless, fresh	New York	lb.	1.14	1.25	1.25	1.25	1.25	1.22
Oysters, shucked, standards.	Norfolk	gal.	8.00	7.50	7.50	7.50	7.25	7.12
PROCESSED, FROZEN (fish & shellfish):								
Fillets: Flounder, skinless, 1-lb. package	Boston	lb.	.45	.42	.42	.38	.40	.40
Haddock, small, skins on, 1-lb. package	Boston	lb.	.38	.38	.38	.36	.36	.36
Ocean perch, large, skins on, 1-lb. package	Boston	lb.	.30	.28	.28	.28	.28	.28
Shrimp, large (26-30 count), brown, 5-lb. package.	Chicago	lb.	1.11	1.16	1.18	1.18	1.20	1.22
CANNED FISHERY PRODUCTS:								
Salmon, pink, No. 1 tall (16 oz.), 48 cans/cs.	Seattle	cs.	27.00	27.00	27.50	27.50	27.50	27.50
Tuna, light meat, chunk, No. 1/2 tuna (6-1/2 oz.), 48 cans/cs.	Los Angeles	cs.	13.08	13.08	13.02	13.02	12.42	12.42
Mackerel, jack, California, No. 1 tall (15 oz.) 48 cans/cs.	Los Angeles	cs.	8.50	8.50	8.50	8.50	8.50	8.50
Sardines, Maine, keyless oil, 1/4 drawn (3-3/4 oz.) 100 cans/cs.	New York	cs.	11.25	11.25	11.25	11.25	11.25	11.25

Group, subgroup, and item specification	Point of pricing	Unit	July	Aug.	Sept.	Oct.	Nov.	Dec.
			Dollars					
FRESH AND FROZEN FISHERY PRODUCTS:								
Haddock, large, offshore, drawn, fresh	Boston	lb.	.15	.15	.12	.12	.18	.26
Halibut, west., 20/80 lbs., dressed, fresh or frozen.	New York	lb.	.36	.42	.44	.41	.39	.39
Salmon, king, large & medium, dressed, fresh or frozen.	New York	lb.	.86	1.00	.98	1.18	1.02	1.01
Whitefish, L. Superior, drawn, fresh	Chicago	lb.	.66	.71	.82	.66	.69	.78
Yellow pike, L. Michigan & Huron, round, fresh	New York	lb.	.56	.61	.56	.54	.56	.62

(Continued on next page)

WHOLESALE AVERAGE PRICES AND INDEXES FOR EDIBLE FISH AND SHELLFISH, BY MONTHS, 1967 - Continued

Group, subgroup, and item specification	Point of pricing	Unit	July	Aug.	Sept.	Oct.	Nov.	Dec.
			Dollars					
PROCESSED, FRESH (fish & shellfish):								
Fillets, haddock, small, skins on, 20-lb tins	Boston	lb.	.44	.44	.46	.43	.58	.68
Shrimp, large (26-30 count), headless, fresh.	New York	lb.	1.00	.84	.94	.94	1.06	1.09
Oysters, shucked, standards	Norfolk	gal.	7.12	7.12	8.25	8.25	7.75	7.75
PROCESSED, FROZEN (fish & shellfish):								
Fillets: Flounder, skinless, 1-lb. package	Boston	lb.	.38	.38	.38	.38	.39	.39
Haddock, small, skins on, 1-lb. package.	Boston	lb.	.36	.36	.37	.37	.37	.38
Ocean perch, large, skins on, 1-lb package.	Boston	lb.	.28	.28	.28	.28	.28	.28
Shrimp, large (26-30 count), brown, 5-lb. package	Chicago	lb.	1.03	.85	.88	.94	1.00	1.04
CANNED FISHERY PRODUCTS:								
Salmon, pink, No. 1 tall (16 oz.), 48 cans/cs	Seattle	cs.	28.50	30.00	30.00	31.00	31.00	31.50
Tuna, light meat, chunk, No. 1/2 tuna (6-1/2 oz.), 48 cans/cs	Los Angeles	cs.	12.42	12.42	12.42	12.42	12.25	12.13
Mackerel, jack, California, No. 1 tall (15 oz.) 48 cans/cs.	Los Angeles	cs.	8.50	8.50	8.50	8.50	8.50	8.50
Sardines, Maine, keyless oil, 1/4 drawn (3-3/4 oz.) 100 cans/cs	New York	cs.	11.25	11.25	12.00	12.25	12.25	12.25

Group	Jan.	Feb.	Mar.	Apr.	May	June
	Index, 1957-59=100					
All fish and shellfish (fresh, frozen, and canned).	129.1	131.0	127.0	128.0	125.7	124.7
Fresh and frozen fishery products	133.0	135.8	129.5	131.0	128.9	127.4
Drawn, dressed, or whole finfish.	136.3	134.9	115.3	119.5	111.7	108.7
Processed, fresh (fish & shellfish)	135.0	141.9	137.5	139.4	138.0	134.4
Processed, frozen (fish & shellfish)	124.3	125.9	126.0	125.7	126.0	127.8
Canned fishery products	122.5	122.5	123.1	123.1	120.2	120.2

Group	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Index, 1957-59=100					
All fish and shellfish (fresh, frozen, and canned).	120.0	117.4	120.3	123.1	126.3	130.2
Fresh and frozen fishery products	119.5	114.3	118.1	121.4	126.7	132.6
Drawn, dressed, or whole finfish.	114.9	128.4	124.2	133.6	134.0	146.8
Processed, fresh (fish & shellfish)	118.3	106.2	118.9	118.1	128.7	133.4
Processed, frozen (fish & shellfish)	119.1	109.0	109.4	112.5	115.7	118.2
Canned fishery products	121.8	124.2	125.2	127.1	126.3	126.5

Note:--Represent average prices for one day (Monday or Tuesday) during the week in which the 15th of the month occurs. These prices are published as indicators of movement and not necessarily absolute level. Daily Market News Service "Fishery Products Reports" should be referred to for actual prices.

Source:--Department of Labor, Bureau of Labor Statistics.

RETAIL PRICES

Estimated retail prices of fishery products are collected by the Bureau of Labor Statistics of the U.S. Department of Labor for use in the food component of the Consumer Price Index.

The Consumer Price Index (CPI) is based on prices from a sample of 39 Standard Metropolitan Statistical Areas and 17 small cities selected to represent all urban areas of the United States, ranging in size from cities with a population of 2,500 to New York City. Agents collect monthly food prices from chain and independent retail food stores that voluntarily report their selling prices. Prices are those in effect on the day of the agent's visit and include any sale or weekend special prices which are offered on that day. The Bureau's agents use a description defining the quality or grade and size range for each food for which prices are collected. All prices are converted to a standard unit and population weights are employed in obtaining United States average prices for all areas combined.

RETAIL PRICES OF FISHERY PRODUCTS, 1966-67

Item		Jan.	Feb.	March	April	May	June
CONSUMER PRICE INDEX FOR FISH (1957-59=100)	1966	112.0	113.1	114.7	116.1	118.2	118.0
	1967	123.1	122.1	122.6	122.8	122.4	121.1
RETAIL PRICES, U.S. AVERAGES:		. . . cents per unit . . .					
Shrimp, frozen, 10 oz. (41 cities)	1966	75.2	75.7	76.6	78.0	78.9	79.2
	1967	86.0	86.4	86.6	86.6	86.5	86.2
Ocean perch, fillet, frozen, lb. (38 cities)	1966	53.3	54.3	53.8	53.8	53.9	53.7
	1967	54.7	53.8	53.7	54.0	54.3	53.7
Haddock fillet, frozen, lb. (33 cities)	1966	63.8	64.9	65.2	65.5	66.3	66.0
	1967	67.9	68.2	68.4	68.5	67.9	67.2
Tuna, 6-1/2 oz. can (44 cities)	1966	32.3	32.9	34.2	34.9	36.2	36.3
	1967	35.9	35.5	35.5	35.3	35.2	35.1
Sardines, 4 oz. can (43 cities)	1966	14.0	14.0	14.0	14.1	14.2	14.2
	1967	15.3	15.0	15.1	15.3	15.0	14.9

Item		July	Aug.	Sept.	Oct.	Nov.	Dec.
CONSUMER PRICE INDEX FOR FISH (1957-59=100)	1966	118.5	119.6	120.3	120.2	121.1	121.9
	1967	121.2	121.4	121.2	121.0	121.1	121.8
RETAIL PRICES, U.S. AVERAGES:		. . . cents per unit . . .					
Shrimp, frozen, 10 oz. (41 cities)	1966	79.9	81.2	83.3	84.5	85.3	86.2
	1967	86.1	84.3	82.9	82.0	81.0	81.5
Ocean perch, fillet, frozen, lb. (38 cities)	1966	54.0	54.3	54.5	54.4	54.6	54.7
	1967	54.3	54.3	54.1	53.9	54.3	54.0
Haddock fillet, frozen, lb. (33 cities)	1966	66.4	66.2	67.5	67.5	67.7	68.1
	1967	67.1	67.3	67.2	66.7	66.7	67.3
Tuna, 6-1/2 oz. can (44 cities)	1966	36.4	36.4	36.3	35.7	35.8	36.1
	1967	34.6	34.3	34.2	34.3	34.1	34.4
Sardines, 4 oz. can (43 cities)	1966	14.2	14.3	14.3	14.3	14.6	14.7
	1967	14.9	14.9	15.0	15.1	15.4	15.5

Source:--"The Consumer Price Index", and "Estimated Retail Food Prices by Cities", Department of Labor, monthly, January 1966-December 1967.

PER CAPITA CONSUMPTION

PER CAPITA CONSUMPTION OF COMMERCIALLY-CAUGHT FISH AND SHELLFISH, 1916-67
(Pounds of edible meat)

Year	Fresh and frozen 1/	Canned 2/	Cured 3/	Total
	Pounds	Pounds	Pounds	Pounds
1916	6.0	2.2	2.8	11.0
1917	6.2	2.0	2.7	10.9
1918	6.4	2.0	2.5	10.9
1919	6.4	2.8	2.4	11.6
1920	6.3	3.2	2.3	11.8
1921	6.2	2.2	2.1	10.5
1922	6.1	3.2	2.0	11.3
1923	6.0	2.9	1.8	10.7
1924	6.1	3.2	1.7	11.0
1925	6.3	3.2	1.6	11.1
1926	6.6	3.4	1.4	11.4
1927	7.0	3.9	1.3	12.2
1928	7.1	3.9	1.1	12.1
1929	6.9	3.9	1.1	11.9
1930	5.8	3.4	1.0	10.2
1931	4.9	3.2	.7	8.8
1932	4.3	3.4	.7	8.4
1933	4.2	3.9	.6	8.7
1934	4.3	4.2	.7	9.2
1935	5.1	4.7	.7	10.5
1936	5.2	5.8	.7	11.7
1937	5.6	5.3	.9	11.8
1938	5.2	4.8	.8	10.8
1939	5.3	4.7	.7	10.7
1940	5.7	4.6	.7	11.0
1941	6.3	4.2	.7	11.2
1942	5.2	2.9	.6	8.7
1943	5.5	1.8	.6	7.9
1944	5.5	2.6	.6	8.7
1945	6.6	2.6	.7	9.9
1946	5.9	4.2	.7	10.8
1947	5.8	3.8	.7	10.3
1948	6.0	4.4	.7	11.1
1949	5.8	4.5	.6	10.9
1950	6.3	4.9	.6	11.8
1951	6.3	4.3	.6	11.2
1952	6.2	4.3	.7	11.2
1953	6.4	4.3	.7	11.4
1954	6.2	4.3	.7	11.2
1955	5.9	3.9	.7	10.5
1956	5.7	4.0	.7	10.4
1957	5.5	4.0	.7	10.2
1958	5.7	4.3	.6	10.6
1959	5.9	4.4	.6	10.9
1960	5.7	4.0	.6	10.3
1961	5.9	4.3	.5	10.7
1962	5.8	4.3	.5	10.6
1963	5.7	4.4	.5	10.6
1964	5.9	4.1	.5	10.5
1965	6.0	4.4	.5	10.9
1966	5.9	4.2	.5	10.6
1967 4/	5.9	4.2	.5	10.6

1/ Fresh and frozen fish consumption in the period 1916-28 are based on a straight-line projection. 2/ Canned fish consumption estimates 1916-20 based on a straight-line projection, adjusted for heavy export and military takings of canned fish from 1916-18; beginning in 1921 based on production reports, paper stocks, and foreign trade statistics for individual years. 3/ Cured fish estimates 1916-20 based on straight-line projection. 4/ Preliminary.

PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS, 1936-40 AND 1946-67

Year	Mackerel, Pacific and jack	Salmon	Sardines, Maine and Pacific 1/	Tuna 2/	Shellfish	Other	Total
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1936. . .	.5	3.0	1.3	.4	.4	.2	5.8
1937. . .	.3	2.6	1.3	.5	.4	.2	5.3
1938. . .	.3	2.4	1.0	.5	.4	.2	4.8
1939. . .	.3	2.1	1.1	.6	.5	.1	4.7
1940. . .	.4	2.0	1.0	.6	.5	.1	4.6
1946. . .	.3	1.4	1.1	.7	.4	.3	4.2
1947. . .	.4	1.3	.9	.8	.2	.2	3.8
1948. . .	.4	1.6	1.1	.9	.3	.1	4.4
1949. . .	.3	1.6	1.2	.9	.3	.2	4.5
1950. . .	.4	1.4	1.4	1.1	.4	.2	4.9
1951. . .	.3	1.4	.8	1.2	.4	.2	4.3
1952. . .	.4	1.4	.5	1.3	.3	.4	4.3
1953. . .	.2	1.3	.7	1.4	.4	.3	4.3
1954. . .	.1	1.1	.8	1.4	.4	.5	4.3
1955. . .	.2	1.0	.6	1.4	.4	.3	3.9
1956. . .	.2	1.1	.4	1.6	.4	.3	4.0
1957. . .	.3	1.0	.4	1.6	.4	.3	4.0
1958. . .	.1	1.1	.6	1.8	.4	.3	4.3
1959. . .	.1	.9	.6	1.9	.5	.4	4.4
1960. . .	.2	.7	.4	2.0	.4	.3	4.0
1961. . .	.2	.8	.5	2.1	.4	.3	4.3
1962. . .	.3	.9	.3	2.1	.4	.3	4.3
1963. . .	.3	.9	.4	2.0	.5	.3	4.4
1964. . .	.2	.7	.3	2.0	.5	.4	4.1
1965. . .	.2	.9	.3	2.3	.5	.2	4.4
1966. . .	(3)	.8	.4	2.3	.4	.3	4.2
1967 4/ .	(3)	.8	.3	2.4	.4	.3	4.2

1/ Includes imports of some canned herring for the years prior to 1950.
2/ Includes imports of bonito and yellowtail for the years prior to 1949.
3/ Not available.
4/ Preliminary.

PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1936-40 AND 1946-67
(Pounds of edible meat)

Year	Groundfish and ocean perch fillets and blocks 1/	Shrimp 2/	Year	Groundfish and ocean perch fillets and blocks 1/	Shrimp 2/
	Raw, fresh and frozen	Raw, all preparations		Raw, fresh and frozen	Raw, all preparations
1936. . . .	0.74	0.35	1954. . . .	1.50	0.99
1937. . . .	0.74	0.45	1955. . . .	1.50	1.03
1938. . . .	0.77	0.45	1956. . . .	1.41	0.99
1939. . . .	0.79	0.48	1957. . . .	1.54	0.88
1940. . . .	0.81	0.52	1958. . . .	1.50	0.96
1946. . . .	0.14	0.76	1959. . . .	1.46	1.15
1947. . . .	1.14	0.69	1960. . . .	1.44	1.20
1948. . . .	1.26	0.69	1961. . . .	1.62	1.12
1949. . . .	1.32	0.71	1962. . . .	1.69	1.04
1950. . . .	1.30	0.78	1963. . . .	1.63	1.12
1951. . . .	1.58	0.93	1964. . . .	1.72	1.15
1952. . . .	1.47	0.98	1965. . . .	1.80	1.23
1953. . . .	1.40	0.98	1966. . . .	1.87	1.19
			1967 3/ . .	1.79	1.28

(continued above)

1/ Imports and frozen inventories not available prior to 1939. Includes species other than groundfish.
2/ Frozen inventories not available prior to 1939. Weight based on uncooked edible meat.
3. Preliminary.

ANNUAL PER CAPITA SUPPLY OF FISH AND SHELLFISH, BY REGION AND COUNTRY, LATEST AVAILABLE DATA

Region and country	Period	Estimated edible weight in pounds
Europe:		
Austria	1965-66	8.9
Belgium-Luxembourg	1964-65	12.1
Denmark	1965-66	46.7
Finland	1964-65	20.9
France	1964-65	16.9
Germany (Federal Republic)	1965-66	14.5
Greece	1963	22.5
Hungary	1965	1.6
Ireland	1964	8.0
Italy	1965-66	12.9
Netherlands	1965-66	12.1
Norway	1965-66	44.3
Poland	1960-62	8.0
Portugal	1965	49.9
Rumania	1963	5.6
Spain	1963-64	30.6
Sweden	1965-66	45.9
Switzerland	1964-65	8.9
United Kingdom	1965-66	20.9
Yugoslavia	1964	1.6
North America:		
Canada	1965-66	15.3
United States	1967	10.6
Latin America:		
Argentina	1964	6.4
Brazil	1964	4.8
Chile	1963	18.5
Colombia	1964	3.2
Costa Rica	1963	3.2
Dominican Republic	1964	13.7
Ecuador	1963	6.4
El Salvador	1962	2.4
Guatemala	1962	.8
Honduras	1962	.8
Jamaica	1958	24.1
Mexico	1962	5.6
Nicaragua	1962	1.6
Panama	1964	15.3
Paraguay	1963	.8
Peru	1963	16.1
Surinam	1965	20.9
Uruguay	1960-62	3.2
Venezuela	1963	24.1
Near East:		
Iran	1960	1.6
Iraq	1960-62	1.6
Israel	1964-65	14.5
Jordan	1964	1.6
Lebanon	1965	4.8
Libya	1964	3.2
Sudan	1964	1.6
Syria	1963	1.6
Turkey	1960-61	4.8
United Arab Republic	1963-64	11.3

(Continued on next page)

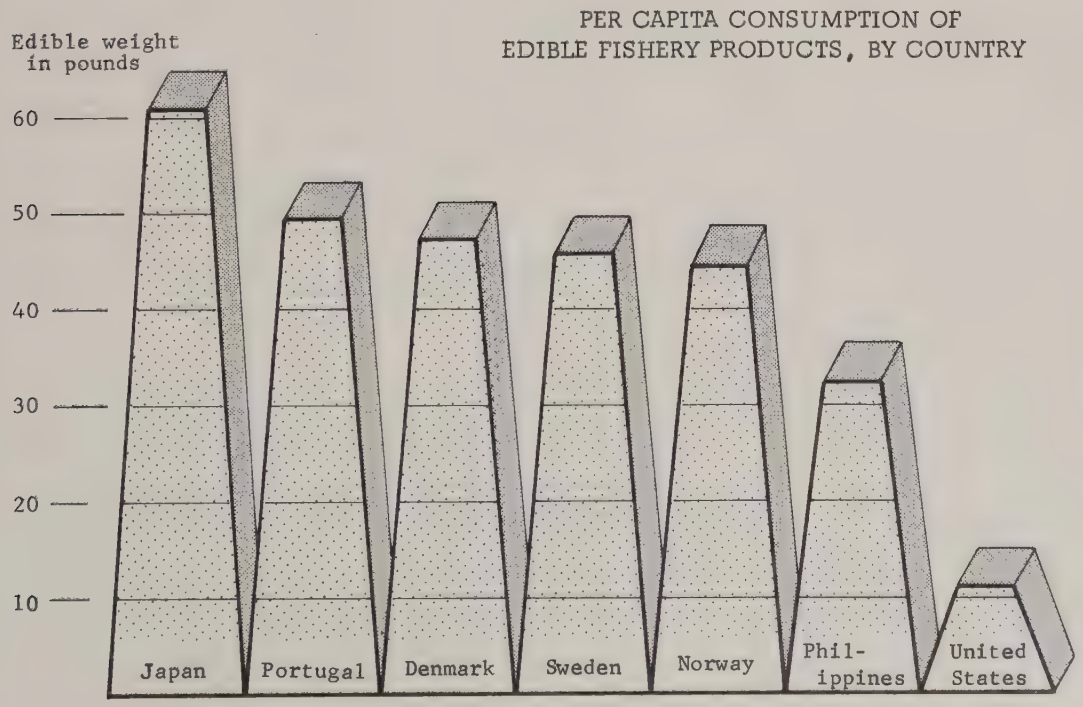
ANNUAL PER CAPITA SUPPLY OF FISH AND SHELLFISH, BY REGION AND COUNTRY

LATEST AVAILABLE DATA - Continued

Region and country	Period	Estimated edible weight in pounds
Far East:		
Ceylon	1965	12.1
China (Taiwan)	1965	25.8
India	1964-65	2.4
Indonesia	1961-63	10.5
Japan	1965	61.1
Pakistan	1964-65	3.2
Philippines	1965	36.2
Africa:		
Ethopia	1961	.8
Ghana	1961-63	17.7
Kenya	1961-63	2.4
Madagascar	1962	8.0
Mauritius	1965	12.1
South Africa	1960-61	19.3
Tanzania-Tanganyika	1961-63	5.6
Uganda	1961	8.9
Oceania:		
Australia	1964-65	12.1
New Zealand	1965	15.3

Note:--Data for most countries are tentative.

Source:--"Production Yearbook, 1966", Volume 20, Food and Agriculture Organization of the United Nations.



Note:--Latest available data for selected countries.

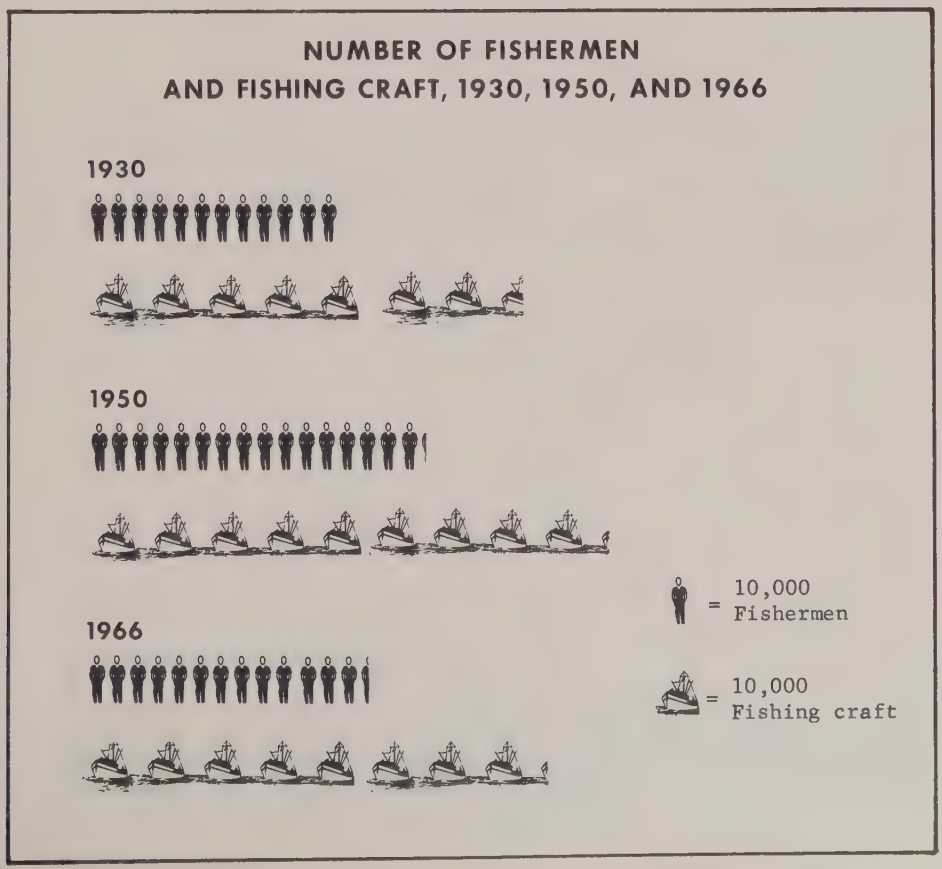
PLANTS PRODUCING CANNED AND INDUSTRIAL FISHERY PRODUCTS, 1967

Area and State	Canned fishery products	Industrial fishery products	Total plants, exclusive of duplication
	Number	Number	Number
New England:			
Maine	28	13	41
Massachusetts	5	5	9
Rhode Island	-	1	1
Connecticut	1	-	1
Total	34	19	52
Middle Atlantic:			
New York	10	2	12
New Jersey	14	8	21
Pennsylvania	5	2	7
Delaware	1	-	1
Total	30	12	41
Chesapeake:			
Maryland	3	6	9
Virginia	8	14	21
Total	11	20	30
South Atlantic and Gulf:			
North Carolina	4	13	16
South Carolina	2	-	2
Georgia	-	1	1
Florida	3	11	14
Alabama	1	2	3
Mississippi	12	3	15
Louisiana	21	20	39
Texas	2	3	5
Total	45	53	95
Great Lakes and Mississippi River:			
Illinois	2	-	2
Iowa	-	1	1
Kansas	1	-	1
Michigan	1	1	2
Nebraska	1	-	1
Ohio	1	-	1
Wisconsin	3	2	5
Total	9	4	13
Pacific Coast:			
Alaska	85	1	86
Washington	50	6	56
Oregon	19	5	22
California	19	17	27
Total	173	29	191
Hawaii	1	-	1
American Samoa	2	2	2
Puerto Rico	4	3	4
Grand total	309	142	429

EMPLOYMENT, FISHING CRAFT, AND ESTABLISHMENTS, VARIOUS YEARS, 1930-66

Item	1930	1940	1950	1960	1966
	Number	Number	Number	Number	Number
Persons employed, direct:					
Fishermen	119,716	124,795	161,463	130,431	135,636
Shoreworkers	78,996	90,215	102,015	93,625	88,748
Total	198,712	215,010	263,478	224,056	224,384
Craft utilized, fishing:					
Vessels (5 net tons and over)	4,374	5,562	11,496	12,018	12,677
Motor boats	35,437	31,055	46,067	56,889	66,941
Other boats	37,961	35,193	34,747	8,150	2,504
Total	77,772	71,810	92,310	77,057	82,122
Vessels, documented for fishing:					
First documentation	(1)	320	812	408	786
Redocumentation	(1)	(1)	29	24	30
Total	(1)	(1)	841	432	816
Fishery shore establishments:					
Pacific Coast States	569	579	700	515	588
Atlantic Coast and Gulf States	2,024	2,038	2,699	2,898	2,923
Great Lakes and Mississippi River States	402	438	484	772	650
Hawaii	(1)	(1)	(1)	22	26
Total	2,995	3,055	3,883	4,207	4,187

1/ Data not available.



ADDITIONS TO THE U.S. FISHING FLEET, 1967

Gross Tonnage	By Tonnage Groups									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
5 - 9	7	3	60	9	16	30	-	1	-	126
10 - 19	9	4	16	8	62	107	-	1	1	208
20 - 29	4	2	1	6	17	26	-	-	1	57
30 - 39	-	-	1	10	6	12	-	-	-	29
40 - 49	3	3	1	8	3	7	-	-	-	25
50 - 59	-	1	1	3	7	5	1	-	-	18
60 - 69	1	1	-	7	30	4	-	-	-	43
70 - 79	1	-	-	7	7	2	-	-	-	17
80 - 89	-	-	-	4	38	1	-	-	-	43
90 - 99	2	5	-	17	137	-	-	-	-	161
100 - 109	-	4	-	3	14	3	-	-	-	24
110 - 119	1	-	-	4	12	1	-	-	-	18
120 - 129	-	2	-	-	28	1	-	-	-	31
130 - 139	-	-	-	-	18	1	-	-	-	19
140 - 149	-	-	-	1	3	1	-	-	-	5
150 - 159	1	-	-	-	3	-	-	-	-	4
160 - 169	1	-	-	-	1	2	-	-	-	4
170 - 179	1	-	-	-	-	1	-	-	-	2
180 - 189	1	-	-	-	-	6	-	-	-	7
190 - 199	4	2	-	-	-	2	1	-	-	9
200 - 209	-	-	-	-	-	-	1	-	-	1
220 - 229	-	-	-	-	1	1	-	-	-	2
310 - 319	1	-	-	-	-	-	-	-	-	1
380 - 389	-	-	-	-	1	-	-	-	-	1
430 - 439	-	-	-	-	-	1	-	-	-	1
530 - 539	-	-	-	-	7	1	-	-	-	8
590 - 599	-	-	-	-	-	1	-	-	-	1
760 - 769	-	-	-	-	-	1	-	-	-	1
830 - 839	-	-	-	-	-	-	-	-	1	1
1090 - 1099	-	-	-	-	-	-	-	-	2	2
Total: Vessels	37	27	80	87	411	217	3	2	5	869
Gross tonnage	2,618	1,919	789	5,042	35,267	9,102	448	21	3,056	58,262

Length in feet	By Length Distribution									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
20 - 29	3	2	-	7	7	55	-	-	-	74
30 - 39	13	5	71	13	68	90	-	2	1	263
40 - 49	4	2	6	12	28	40	-	-	-	92
50 - 59	3	4	2	15	17	7	-	-	1	49
60 - 69	2	10	1	32	212	7	-	-	-	264
70 - 79	3	2	-	8	66	5	1	-	-	85
80 - 89	3	-	-	-	4	7	1	-	-	15
90 - 99	5	-	-	-	1	1	-	-	-	7
100 - 109	-	2	-	-	-	-	1	-	-	3
110 - 119	-	-	-	-	-	1	-	-	-	1
120 - 129	-	-	-	-	-	1	-	-	-	1
130 - 139	1	-	-	-	-	-	-	-	-	1
140 - 149	-	-	-	-	-	2	-	-	-	2
150 - 159	-	-	-	-	1	-	-	-	-	1
160 - 169	-	-	-	-	7	1	-	-	2	10
170 - 179	-	-	-	-	-	-	-	-	1	1
Total: Vessels	37	27	80	87	411	217	3	2	5	869
Length	2,056	1,541	2,944	4,672	25,135	8,870	265	71	598	46,152

(Continued on next page.)

ADDITIONS TO THE U.S. FISHING FLEET, 1967 - Continued

Horse power	By Horse Power Distribution									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
nder 100	1	-	2	9	15	24	-	-	-	51
100 - 199	18	8	32	14	64	92	-	1	-	229
200 - 299	2	3	28	19	59	51	-	1	-	163
300 - 399	6	7	11	39	242	31	-	-	1	337
400 - 499	2	7	3	2	13	5	1	-	1	34
500 - 599	2	1	3	4	7	3	-	-	-	20
600 - 699	1	1	1	-	2	4	-	-	-	9
700 - 799	5	-	-	-	-	5	2	-	-	12
000 - 1099	-	-	-	-	1	1	-	-	-	2
200 - 1299	-	-	-	-	-	-	-	-	1	1
300 - 1399	-	-	-	-	1	-	-	-	-	1
500 - 1599	-	-	-	-	7	-	-	-	-	7
000 - 2099	-	-	-	-	-	-	-	-	2	2
400 - 2499	-	-	-	-	-	1	-	-	-	1
otal: Vessels	37	27	80	87	411	217	3	2	5	869
Horse power	11,639	8,647	18,393	23,762	131,377	51,168	1,930	410	5,920	253,246

ADDITIONS TO THE U.S. FISHING FLEET, BY TYPE OF CONSTRUCTION, 1967

Region	Wood	Steel	Plastic 1/	Total
	Number	Number	Number	Number
New England	24	11	2	37
Middle Atlantic	7	19	1	27
Chesapeake	79	-	1	80
South Atlantic	69	17	1	87
Gulf	243	165	3	411
Pacific	131	50	36	217
Great Lakes	-	3	-	3
Hawaii	2	-	-	2
Puerto Rico	2	3	-	5
Total vessels	557	268	44	869
Gross tonnage	21,884	35,751	627	58,262

1/ Includes fiberglass.

FEDERAL AID PROGRAMS

FISHERY LOAN PROGRAM

The Fish and Wildlife Act of 1956 authorized a Fisheries Loan Program which started in October 1956. The first loans were approved in late December of that year. Since that time through December 31, 1967; 2,058 applications for $55,011,668 have been received. Of these, 1,066 applications ($24,957,653) have been approved. In 1967, a total of 71 applications for $2,000,492 were approved.

FISHING VESSEL MORTGAGE INSURANCE PROGRAM

The Fishing Vessel Mortgage Insurance Program provides for insurance by the Department of the Interior of mortgages to finance the construction, reconstruction, or reconditioning of fishing vessels. In 1967, a total of 36 mortgage insurance applications for $10,147,720 were approved.

FISHING VESSEL CONSTRUCTION-DIFFERENTIAL SUBSIDY PROGRAM

The Fishing Vessel Construction-Differential Subsidy Program, established by P.L. 86-516, was extended and expanded by passage of the United States Fishing Fleet Improvement Act (P.L. 88-498) in August 1964. The new program extended the program until 1969, removed the requirement that the vessel be designed to operate in a fishery found to be suffering injury or threat of injury by reason of increased imports and added two other provisions.

The first was that the vessel be of advanced design, which will enable it to operate in expanded areas, and be equipped with newly developed gear, and that it will not be operated in a fishery if such operation would cause economic hardship to efficient vessel operators already operating in that fishery. The second was a requirement that public hearings be held on each application before approval.

The first applications under the expanded subsidy program were received in December, 1964. Through December 31, 1967, 86 applications for subsidies were received and 56 applications were approved after hearings. Of the approved applications, 26 have led to execution of contracts for the construction of fishing vessels receiving subsidies totaling $15.5 million.

COMMERCIAL FISHERIES RESEARCH AND DEVELOPMENT ACT

The Commercial Fisheries Research and Development Act of 1964 (P.L. 88-309) provides Federal funds for States, Puerto Rico, and United States Territories to develop and carry out research to conserve the Nation's fishery resource and improve the economic status of the fishing industry. Federal funds of $4.1 million were made available for each of fiscal years 1966 and 1967. Two hundred and three projects have been approved and funded in 47 States and Puerto Rico, the Virgin Islands, Guam, and American Samoa. Projects under this legislation are funded at either 50 or 75 percent as the Federal share. Approved projects include research in resource ecology; improvement of fishing gear and methods; propagation of commercial species; processing and product development; marketing; economics research; extension service; construction of laboratories and vessels; and collection and dissemination of fishery statistics.

THE ANADROMOUS FISH ACT

The Anadromous Fish Act of 1965 (P.L. 89-304) authorizes Federal appropriations up to $25 million through June 30, 1970 to States and other non-Federal interests for the conservation, development, and enhancement of the anadromous fishery resources of the Nation including fish in the Great Lakes which ascend streams to spawn. Federal funds totaling little more than $1 million were made available to the Bureau of Commercial Fisheries for the fiscal year ending June 30, 1967. Forty-five contracts totaling $2,076,970, of which the Federal share is 50 percent, were awarded in 23 States. The more prominent approved work includes studies of migratory behavior of anadromous fish and forecast of timing and size of runs, stream clearance and spawning habitat improvement, and Pacific salmon hatchery construction and expansion, and research on nutrition and disease problems associated with artificial propagation of fish.

FISHERY PRODUCT INSPECTION AND STANDARDS

Voluntary inspection and grading services for fishery products, authorized under the Agricultural Marketing Act of 1946, became the responsibility of the Department of the Interior in 1958. This act provided for the development and improvement of standards of quality and condition in order to encourage uniformity and consistency in commercial practices and authorized voluntary inspection of products and certification of them as evidence of compliance with product standards.

The Bureau of Commercial Fisheries makes available an impartial, official, voluntary inspection and certification service for processed fishery products (fresh, frozen, canned, and cured) to financially interested parties on a fee-for-service basis. It is based on United States official standards, specifications, and sanitary and operating requirements. It also advises producers about improved methods and practices of handling, processing, standardizing, grading, packaging, and marketing of seafood products. It establishes a basis for quality and price relationship to the producer and enables the consumer to buy with confidence.

United States Standards for Grades of Quality for Fish and Fishery Products help to define the level of quality of this specific food-product category. The Bureau of Commercial Fisheries has developed and promulgated United States Standards for Grades of 15 frozen fishery products. These are: (1) fried fish sticks; (2) raw breaded shrimp; (3) fish blocks; (4) haddock fillets; (5) halibut steaks; (6) cod fillets; (7) salmon steaks; (8) raw headless shrimp; (9) raw breaded fish portions; (10) ocean perch fillets; (11) fried scallops; (12) fried fish portions; (13) breaded fish sticks; (14) flounder and sole fillets; and (15) headless dressed whiting.

During 1967, approximately 245 million pounds of fishery products were inspected by 60 Bureau inspectors located at 40 plants and 10 inspection stations throughout the United States.

Detailed information on inspection or related services can be obtained by directing a request to the U.S. Department of the Interior, Bureau of Commercial Fisheries, Branch of Technology, Washington, D.C. 20240.

FISHERY COOPERATIVES

Fishery cooperatives are important business organizations established by fishermen seeking common objectives. Cooperatives are engaged in marketing, purchasing, and bargaining functions for their members.

There were 95 fishery cooperatives in the United States in 1967 with a combined membership strength of over 10,000 fishermen. Members owned more than 7,600 fishing vessels.

NUMBER OF FISHERY COOPERATIVES IN THE UNITED STATES, 1967

REGION AND STATE	FISHERY COOPERATIVES	MEMBERS	CRAFT	FUNCTIONS PERFORMED BY COOPERATIVES: MARKETING AND PURCHASING	MARKETING EXCLUSIVELY	COLLECTIVE BARGAINING EXCLUSIVELY	PURCHASING EXCLUSIVELY	MARKETING, PURCHASING, AND COLLECTIVE BARGAINING	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
NEW ENGLAND:									
MAINE	7	570	511	4	1	-	2	-	-
MASSACHUSETTS	5	808	731	3	1	-	1	-	-
RHODE ISLAND	1	130	40	1	-	-	-	-	-
TOTAL	13	1,508	1,282	8	2	-	3	-	-
MIDDLE ATLANTIC, NEW JERSEY	2	108	100	2	-	-	-	-	-
SOUTH ATLANTIC AND GULF:									
FLORIDA	8	212	260	-	8	-	-	-	-
LOUISIANA	3	101	153	2	1	-	-	-	-
TEXAS	2	56	90	1	1	-	-	-	-
TOTAL	13	369	503	3	10	-	-	-	-
GREAT LAKES AND INLAND AREAS:									
MINNESOTA	3	260	260	1	1	-	-	-	1/1
OHIO	1	7	12	-	1	-	-	-	-
TOTAL	4	267	272	1	2	-	-	-	1/1
PACIFIC COAST:									
ALASKA	30	3,974	1,711	13	1	11	3	1	2/1
CALIFORNIA	15	1,775	1,533	2	3	7	-	1	2/2
OREGON	3	21	23	1	1	-	-	-	2/1
WASHINGTON	13	2,360	2,216	5	4	2	-	1	2/1
TOTAL	61	8,130	5,483	21	9	20	3	3	2/5
HAWAII	1	7	7	1	-	-	-	-	-
PUERTO RICO	1	32	4	-	-	-	-	-	3/1
GRAND TOTAL	4/95	10,421	7,651	36	23	20	6	3	7

1/ DOCKING FACILITIES.

2/ MARINE INSURANCE.

3/ PRODUCTION.

4/ THIS TOTAL INCLUDES 18 SUBSIDIARY ORGANIZATIONS OF COOPERATIVES.

PURCHASES OF FRESH, FROZEN, AND CANNED FISHERY PRODUCTS, BY DEFENSE SUBSISTENCE SUPPLY CENTERS, 1950-67

Year	Fresh and frozen		Canned
	Thousand pounds	Thousand dollars	Thousand pounds
1950	17,884	7,399	(1)
1951	31,844	13,771	(1)
1952	32,276	15,050	(1)
1953	26,769	11,857	(1)
1954	25,290	10,395	(1)
1955	24,989	10,929	(1)
1956	26,610	13,413	(1)
1957	23,452	12,080	6,037
1958	22,511	12,850	9,473
1959	22,651	11,624	5,834
1960	22,917	11,839	7,350
1961	23,450	12,470	8,615
1962	23,356	14,388	9,024
1963	23,400	13,017	7,067
1964	26,341	15,040	8,777
1965	27,712	18,685	14,145
1966	31,283	23,071	12,861
1967	32,097	22,991	14,942

1/ Data not available.

Note:--Armed Forces installations generally make some local purchases not included in the above data.

Source:--U.S. Department of Defense.

PURCHASES OF PRINCIPAL FRESH AND FROZEN FISHERY PRODUCTS, BY DEFENSE SUBSISTENCE SUPPLY CENTERS, 1966-67

Product	1966	1967
	Thousand pounds	Thousand pounds
Shrimp:		
Raw headless	1,125	1,098
Peeled and deveined	2,048	2,071
Breaded	4,181	5,344
Molded and breaded	994	878
Total shrimp	8,348	9,391
Scallops	2,427	2,166
Oysters:		
Eastern	839	998
Pacific	334	616
Total oysters	1,173	1,614
Fillets:		
Cod	305	246
Flounder	2,970	2,798
Ocean perch	3,781	3,281
Haddock	1,759	1,458
Haddock portions	4,360	4,734
Steaks:		
Halibut	1,219	1,295
Salmon	279	214

Note:--Armed Forces installations generally make some local purchases not included in the above data.

Source:--U.S. Department of Defense.

GENERAL ADMINISTRATIVE INFORMATION

UNITED STATES DEPARTMENT OF THE INTERIOR

WASHINGTON, D.C. 20240

Telephone: 343 + extension or Code 183

		Room	Extension
Secretary of the Interior, Stewart L. Udall		6151	6704
Under Secretary of the Interior, David S. Black		6132	4423
Assistant Secretary for Fish and Wildlife and Parks, Stanley A. Cain		3156	4416
Commissioner, Fish and Wildlife Service, Clarence F. Pautzke		3156	4678
Bureau of Commercial Fisheries			
DIRECTOR, Harold E. Crowther		3356	4993
Deputy Director, J. Lawrence McHugh		3356	4007
Program Development Officer, William L. Peck		3354	5312
Legislative Advisor, Ralph E. Curtiss		3339	2360
American Fisheries Advisory Committee, Rupert R. Bonner, Jr.		1/202	4455*
Hearing Examiner, Alfred P. Whittaker		1/204	4625*
Information Officer, John A. Guinan		3042	38701
Special Assistant for Planning, Harvey Hutchings		1/406	4453*
Assistant Director for Administration, John M. Patton, Jr.		3355	39447
Deputy Assistant Director, Nelson J. Norem		3042	2540
Equal Opportunity Officer, Donald D. Carruth		1044	6703
Safety Coordinator, John N. Ball		1/304	4103*
Branch of:	Chief:		
Budget and Finance	Vacant	3058	33227
Personnel Management	C. Doyle Innis	2355	5406
Property Management	Kenneth A. Lawrence	1/300	4604*
Assistant Director for Biological Research, Roland F. Smith		3345	4106
Deputy Assistant Director, James H. Johnson		3345	33272
Branch of:	Chief:		
Anadromous Fisheries	Mitchell G. Hanavan	2554	6855
Inland Fisheries	Philip R. Nelson	2550	5719
Marine Fisheries	Joseph E. King	2447	5521
Shellfisheries	Louis D. Stringer (Acting)	3445	5715
Assistant Director for Economics, Lawrence W. Van Meir		3026	4151
Staff Assistant for Economics, Walter H. Stolting		3026	4152
Branch of:	Chief:		
Current Economic Analysis	Fred Olson	2/605	6908
Economic Research	Darrel A. Nash (Acting)	3/209	864-4329
Fishery Statistics	Charles H. Lyles	2/505	7850
Foreign Trade and Economic Services	Gale Lyon	2/606	6939
Market News	G. A. Albano (Acting)	2/510	4843
Assistant Director for Industrial Research, Joseph W. Slavin		3351	4386
Deputy Assistant Director, Edward Schaefers		3351	4387
Branch of:	Chief:		
Exploratory Fishing	Alonzo T. Pruter	2559	6643
Marketing	Paul J. Paradis	1/407	4731*
Technology	Harold B. Allen	2560	4745

See footnotes on next page. (continued on next page)

		Room	Extension
Assistant Director for International Affairs, William M. Terry		3346	4054
Deputy Assistant Director, Frank T. Piskur, (Acting)		3342	4055
Branch of:	Chief:		
Foreign Fisheries	Joseph Pileggi	8015	4412
International Organizations and Agreements	George H. Rees (Acting)	2465	4571
Special Studies	Osgood R. Smith	2/611	6961
Technical Assistance	Robert C. Wilson	2465	4571
Assistant Director for Resource Development, Russell T. Norris (Acting)		3350	2184
Deputy Assistant Director, John I. Hodges		3350	2184
Branch of:	Chief:		
Loans and Grants	C. Eldred Peterson	1/400	4625*
Reports	Leslie W. Scattergood	1/104	4401*
Resource Management	Floyd S. Anders, Jr. (Acting)	2/510	4543

1/ 1801 N. Moore Street, Arlington, Virginia 22209 (Rosslyn)
2/ 1815 N. Ft. Myer Drive, Arlington, Virginia 22209 (Rosslyn)
3/ 7338 Baltimore Avenue, College Park, Maryland 20740
* On Department phones and Washington area IDS, dial 161 plus extension. On outside calls; dial 521-5600 and ask operator for extension.

BUREAU OF COMMERCIAL FISHERIES

REGIONAL AND AREA OFFICES

Region 1 (Pacific Northwest Region)
Donald R. Johnson, Director
6116 Arcade Building
Seattle, Washington 98101
Telephone: Area Code 206, 583-7575

Region 2 (Gulf and South Atlantic Region)
Seton H. Thompson, Director
Federal Office Building
144 First Avenue, South
St. Petersburg, Florida 33701
Telephone: Area Code, 813, 398-0846, Ext. 3141

Region 3 (North Atlantic Region)
John T. Gharrett, Director
Post Office Building
Gloucester, Massachusetts 01930
Telephone: Area Code 617, 283-6410

Region 4 (Great Lakes and Central Region)
William F. Carbine, Director
5 Research Drive
Ann Arbor, Michigan 48103
Telephone: Area Code 313, 663-8456

Region 5 (Alaska Region)
Harry L. Rietze, Director
Post Office Box 1668
Juneau, Alaska 99801
Telephone: Area Code 907, 586-7223

Region 6 (Pacific Southwest Region)
Gerald V. Howard, Director
101 Seaside Avenue
Terminal Island, California 90731
Telephone: Area Code 213, 831-9275

Hawaii Area Office
John C. Marr, Director
2570 Dole Street
Post Office Box 3830
Honolulu, Hawaii 96812
Telephone: Area Code 808, 962181

FISHERY STATISTICAL OFFICES

		Telephone Number	Area Code
	NEW ENGLAND		
Rockland, Me. 04841	R.C. Barnard, Federal Building	594-5969	207
West Boothbay Harbor, Me. 04575	D.A. McKown, P.O. Box 33	633-2688	207
Portland, Me. 04111	J.R. Kallio, Rm. 2, Customs House	775-3131 Ext. 322	207
Gloucester, Mass. 01930	D.L. Hoy, P.O. Bldg., P.O. Box 100	283-3420	617
Boston, Mass. 02210	J.C. Malone, Commonwealth Pier, Rm. 10	542-6070	617
New Bedford, Mass. 02740	J.V. Mahoney, Customs House	997-0721 Ext. 56	617
Provincetown, Mass. 02657	F.C. Blossom, P.O. Bldg., Box 91	487-0868	617
Woods Hole, Mass. 02543	S.L. Cogswell, P.O. Box 6	548-5123	617
Point Judith, R.I. 02882	J.E. Miller	783-7797	401
Warren, R.I. 02885	W.J. Murphy, Rm. 205, P.O. Bldg.	245-2224	401
	MIDDLE ATLANTIC		
Bayport, L.I., N.Y. 11705	C.T. Smith, 965 Montauk Hwy., P.O. Box 815	472-1787	516
Toms River, N.J. 08753	E.A. LoVerde, P.O. Box 143, 26 Main St.	349-3533	201
	CHESAPEAKE		
Oxford, Md. 21654	W.E. Brey, BCF Biological Lab.	226-5193	301
Ft. Story, Va. 23459	A.L. Crockett, Bldg. 526-C	428-1111 Ext. 6241	703
Weems, Va. 22576	J.P. Wharton	438-3672	703
	SOUTH ATLANTIC AND GULF		
Beaufort, N.C. 28516	H.S. Davis, BCF Biological Lab., P.O. Box 500	728-4595 Ext. 38	919
Charleston, S.C. 29401	M.H. Low, Rm. 615, Federal Bldg.	577-4171 Ext. 220	803
Brunswick, Ga. 31521	K.C. Harris, Rm. 303, Federal Bldg.	265-2152	912
Miami, Fla. 33149	L.E. Johnson, 75 Virginia Beach Dr.	350-5798	305
Key West, Fla. 33041	E.M. Anderson, P.O. Bldg. & Customs House	294-1921	305
Fort Myers, Fla. 33902	J.E. Naughton, Rm. 311, Federal Bldg.	334-9361	813
Tampa, Fla. 33605	J.E. Snell, 1508 Lucas Dr., Hookers Point	248-3906	813
Apalachicola, Fla. 32320	P.E. Thompson, P.O. Box 362	653-5000	904
Bayou LaBatre, Ala. 36509	D.J. Bond, P.O. Box 591	824-4149	205
Ocean Springs, Miss. 39564	H.G. Hague, P.O. Box 218	875-5345	601
New Orleans, La. 70130	G.W. Snow, Rm. 608, Federal Bldg., S.	527-6151	504
Galiano, La. 70354	M.P. Duet, P.O. Box 162	632-7157	504
Houma, La. 70360	(Vacant) 1626 Barrow St.	872-3321	504
Morgan City, La. 70380	D.P. Delaune, Rm. 213, P.O. Bldg.	459-4155	504
Port Arthur, Tex. 77640	J.W. Wallace, Rm. 14-C, P.O. Bldg. and Customs House	985-7871	713
Galveston, Tex. 77550	O.H. Farley, BCF Biological Lab., Bldg. 302, Ft. Crockett	763-1505	713
Galveston, Tex. 77550	J.W. Morgan, Rm. 322, Customs House, 17th and Strand	763-1476	713
Freeport, Tex. 77451	W. Laming, P.O. Box 2533	233-4551	713
Aransas Pass, Tex. 78336	Vacant	758-3787	512
Port Isabel, Tex. 78520	A.A. LaFrance, P.O. Box 467, Brownsville 78520	831-4050	512
Brownsville, Tex. 78520	W.S. Schiwetz, P.O. Box 467	831-4050	512

(continued on next page)

FISHERY STATISTICAL OFFICES - Continued

		Telephone Number	Area Code
	PACIFIC COAST		
uneau, Alaska 99801	W.K. Evans, P.O. Box 1668	586-3341	907
eattle, Wash. 98104	V.J. Samson, 706 Federal Office Bldg.	583-5230	206
erminal Island, Calif. 90731	L.A. Keilman, Rm. 2016, Customs House, 300 S. Ferry St.	831-9571	213
	CENTRAL STATES		
nn Arbor, Mich. 48104	H.J. Buettner, 1451 Green Rd.	663-8453	313
amden, Tenn. 38320	E.C. Allen, City Hall, P.O. Box 252	584-5501	901
	HAWAII		
onolulu, Hawaii 96812	T.S. Hida, 2570 Dole St.	962-181	808

FISHERY MARKET NEWS OFFICES

oston, Mass. 02210	J.J. O'Brien, Rm. 10, Commonwealth Pier, (TWX 710-321-0138)	542-6070	617
ew York, N.Y. 10013	T.J. Risoli, 346 Broadway, Rm 1003 (TWX 710-481-4369)	264-8332	212
altimore, Md. 21202	J.A. Coyne, 103 S. Gay St.	752-2698	301
ampton, Va. 23369	W.N. Kelly, P.O. Box 447 (TWX 710-882-0079)	723-3360	703
ew Orleans, La. 70130	E.J. Barry, Rm. 608, Federal Bldg., 600 South St.	527-6151	504
erminal Island, Calif. 90731	L.A. Keilman, 300 S. Ferry St.	831-9571	213
eattle, Wash. 98104	V.J. Samson, 706 Federal Office Bldg.	583-5230	206
hicago, Ill. 60607	P. DiMarco, Rm. 704, U.S. Customs House, 610 Canal St.	353-5772	312

BRANCH OF LOANS AND GRANTS

oston, Mass. 02210	408 Atlantic Avenue	223-7744	617
t. Petersburg, Fla. 33701	144 First Avenue, South	898-0846	813
erminal Island, Calif. 90731	101 Seaside Avenue	831-9275	213
eattle, Wash. 98101	6116 Arcade Building	583-7676	206
uneau, Alaska 99801	P.O. Box 1668	586-7227	907
onolulu, Hawaii 96812	2570 Dole St.	962-181	808

BRANCH OF ECONOMIC RESEARCH

nn Arbor, Mich. 48103	Edward Dailey, 5 Research Drive	663-8456	313

PUBLICATIONS

The following regular, established series of the Fish and Wildlife Service in which Bureau of Commercial Fisheries publications appear, with the exception of some fishery statistical publications, is presented for the information of interested persons or organizations. Except for those fishery statistical publications listed on pages 77 and 78, requests on how to obtain the various publications or information on the reports should be mailed to:

U.S. Department of the Interior
Bureau of Commercial Fisheries
Branch of Reports
1801 N. Moore Street
Arlington, Virginia 22209

Fishery Bulletin:--Technical reports on scientific investigations of fishery biology. Some bulletins are for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. They are distributed free to libraries and to a limited number of scientific cooperators.

Fishery Industrial Research.--Technical reports dealing with scientific investigations of fishery technology, economics, exploratory fishing, and gear research. They are distributed free to libraries and to a limited number of scientific cooperators.

Special Scientific Report--Fisheries.--Preliminary or progress reports and reports on scientific investigations of restricted scope. They are distributed free to libraries and cooperators on a limited mailing list.

Fishery Leaflet.--Popular information on fishery subjects intended primarily for use in correspondence. They are distributed free on request.

Circular.--Popular and semitechnical publications of general and regional interest intended to aid conservation and management. They have free, but limited distribution.

Data Report.--Reports that include compilations of unanalyzed or partially analyzed data collected during biological, limnological, or oceanographic investigations. The pages can be read only through a microscope, microfiche "reader," or similar device for enlarging. The Data Report series is the first microfiche series to be used for primary publication of scientific reports. They are distributed free to a restricted mailing list of laboratories, libraries, State fishery agencies, research institutions, and research scientists. Hard (full-size) copy is available for purchase.

Commercial Fisheries Abstracts.--A monthly abstract of world literature (chiefly English language) on fishery technology. They have free, but limited distribution.

Commercial Fisheries Review.--A monthly periodical which features articles on Bureau research and operations and trends and developments in the domestic and foreign fisheries. They are for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Subscription price $6.50 a year; $2 additional for foreign mailing; single copies are 60 cents each.

Fishery Market Development Series.--This series provides information on buying, preparing, and cooking fish, with tested receipes for institutions, home economists, and homemakers. The series also contain publications on merchandising, marketing, distribution, and other material necessary for effective development of markets for fishery products. These publications are for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

A detailed list of publications of the Bureau of Commercial Fisheries can be obtained from the Branch of Reports at the address given above.

(DETACH AND USE FOR REQUESTING PUBLICATIONS LISTED ON PAGE 78)

TO OBTAIN FISHERY STATISTICAL PUBLICATIONS:

Current Fishery Statistics

Current statistical information on fishery production, processed products, and foreign trade are issued monthly, quarterly, and annually by States, regions, or larger areas. The Current Fishery Statistical reports listed on page 78 are mailed free to interested persons and organizations. To be placed on the mailing list to receive any of these reports, detach this sheet, fill in name and address below, check desired reports on page 78, and mail to:

U.S. Department of the Interior
Bureau of Commercial Fisheries
Branch of Fishery Statistics
1815 N. Ft. Myer Drive, Room 505
Arlington, Virginia 22209

Statistical Digests

These reports contain annual statistics with detailed tabulations and narrative analyses on the fishery catch, operating units, processed products, foreign trade, and related subjects. A limited number of Statistical Digests are made available each year for free distribution to Government agencies, research organizations, State fishery departments, and other groups having special interests in fishery statistics. Persons or organizations not meeting these qualifications can purchase copies from:

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Economic Situation and Outlook Series

These quarterly publications contain an analyses of the factors affecting prices of fishery products. The reports have text plus considerable tabular data and many charts to illustrate economic trends, conditions, and future outlooks for all major fishery commodities. Publications in this series are mailed free to interested persons or organizations. To be placed on the mailing list, a request should be mailed to:

U.S. Department of the Interior
Bureau of Commercial Fisheries
Branch of Current Economic Analysis
1815 N. Ft. Myer Drive, Room 605
Arlington, Virginia 22209

Fishery Product Reports

These daily market reports contain data on landings, receipts, supplies, prices, foreign trade, market developments, and other fishery developments in the United States and foreign countries. To obtain the Fishery Products Reports published by any of the Bureau's Fishery Market News offices, a request should be mailed to that particular office--see page 75 for addresses.

CHECK ON PAGE

Name_____

Firm or Organization_____

Street_____

City_____ State_____ Zip Code_____

PUBLICATIONS

REQUEST TO BE PLACED ON MAILING LIST

CHECK DESIRED PUBLICATIONS

The following are issued only as annual bulletins:

( ) Fisheries of the United States (Comprehensive review of the fisheries)

( ) SR-1 New England Fisheries
( ) SR-2 Middle Atlantic Fisheries
( ) SR-3 Chesapeake Fisheries
( ) SR-4 South Atlantic Fisheries
( ) SR-5 Gulf Fisheries
( ) SR-6 Pacific Coast Fisheries
( ) SR-7 Great Lakes Fisheries
( ) SR-8 Mississippi River Fisheries
( ) SR-9 Alaska Fisheries
( ) SR-10 United States Fisheries (Summary, operating unit, and catch statistics)

( ) MF-1 Canned Fishery Products
( ) MF-2 Industrial Fishery Products
( ) MF-3 Packaged Fishery Products
( ) MF-4 Processed Fishery Products
( ) MF-5 Fish Sticks, Fish Portions, and Breaded Shrimp (Quarterly and Annual)
( ) MF-6 Imports and Exports of Fishery Products

The following are issued as monthly and annual bulletins:

( ) FF Frozen Fishery Products

( ) FM Fish Meal and Oil

( ) NA-1 Maine Landings
( ) NA-2 Massachusetts Landings
( ) NA-3 Rhode Island Landings
( ) NA-4 New York Landings
( ) NA-5 New Jersey Landings

( ) SA-1 Maryland Landings
( ) SA-2 Virginia Landings
( ) SA-3 North Carolina Landings
( ) SA-4 South Carolina Landings
( ) SA-5 Georgia Landings

( ) GC-1 Florida Landings
( ) GC-2 Alabama Landings
( ) GC-3 Mississippi Landings
( ) GC-4 Louisiana Landings
( ) GC-5 Texas Landings
( ) GC-6 Shrimp Landings

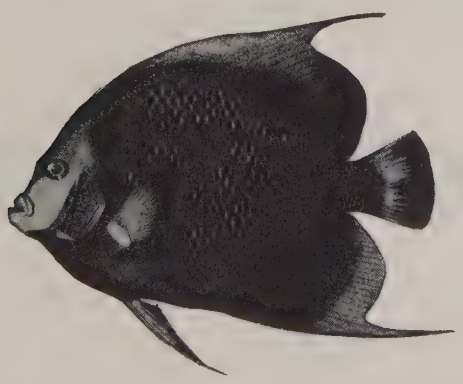
( ) PC-1 Washington Landings
( ) PC-2 Oregon Landings
( ) PC-3 California Landings
( ) PC-4 Hawaii Landings

( ) GL-2 Michigan, Ohio and Wisconsin Landings

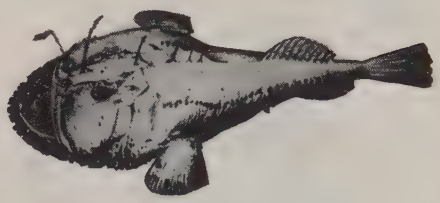
Illustrations of important fish and shellfish taken commercially in the United States

ALEWIFE
RANGE - FLORIDA TO NEW ENGLAND
GEAR - POUND NETS, GILL NETS, WEIRS, DIP NETS, HAUL SEINES, FLOATING TRAPS, FYKE NETS

AMBERJACK
RANGE - FLORIDA
GEAR - HANDLINES, TROLL LINES



ANGELFISH
RANGE - FLORIDA
GEAR - HAUL SEINES



ANGLERFISH
RANGE - NEW JERSEY TO MASSACHUSETTS
GEAR - OTTER TRAWLS, POUND NETS

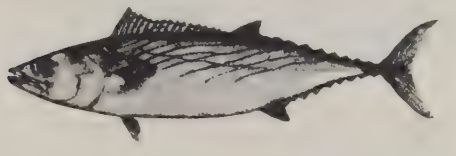
ANCHOVY
RANGE - CALIFORNIA TO WASHINGTON
GEAR - PURSE SEINES AND HAUL SEINES

BARRACUDA (ATLANTIC)
RANGE - FLORIDA
GEAR - TROLL LINES, HANDLINES

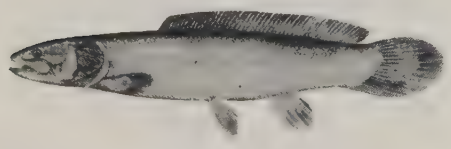
BARRACUDA (PACIFIC)
RANGE - CALIFORNIA
GEAR - PURSE SEINES, LONGLINES, HANDLINES, TROLL LINES, GILL AND TRAMMEL NETS

BLUEFISH
RANGE - GULF OF MEXICO TO NEW ENGLAND
GEAR - HAUL SEINES, GILL NETS, POUND NETS, TROLL LINES, PURSE SEINES

BLUE RUNNER OR HARDTAIL
RANGE - GULF OF MEXICO
GEAR - HAUL SEINES, GILL NETS, POTS



BONITO (ATLANTIC)
RANGE - NORTH CAROLINA TO MASSACHUSETTS
GEAR - POUND NETS, TROLL LINES, GILL NETS

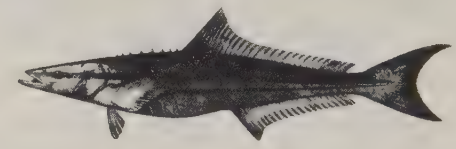


BOWFIN
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TRAP NETS, FYKE NETS

BUFFALOFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, FYKE NETS, TRAMMEL NETS, TROTLINES

BURBOT
RANGE - GREAT LAKES
GEAR - GILL NETS, FYKE NETS, POUND NETS, TRAP NETS

BUTTERFISH
RANGE - FLORIDA TO NEW ENGLAND
GEAR - POUND NETS, HAUL SEINES, OTTER TRAWLS

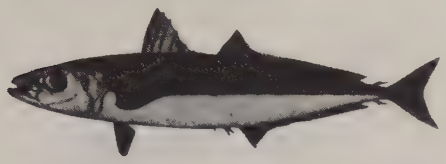


CABIO
RANGE - FLORIDA TO VIRGINIA
GEAR - HANDLINES, POUND NETS

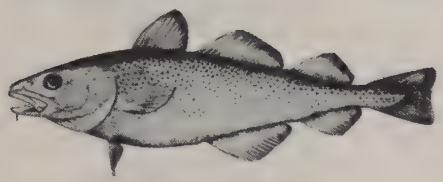
CARP
RANGE - FRESH-WATER
GEAR - HAUL SEINES, GILL NETS, TRAP NETS, FYKE NETS, POUND NETS, TROTLINES

CATFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TROTLINES, POUND NETS, POTS, FYKE NETS

CHUB
RANGE - GREAT LAKES
GEAR - GILL NETS



CIGARFISH
RANGE - FLORIDA
GEAR - HAUL SEINES

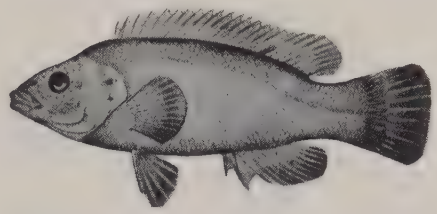


COD
RANGE - VIRGINIA TO MAINE, WASHINGTON, AND ALASKA
GEAR - OTTER TRAWLS, LONGLINES, GILL NETS

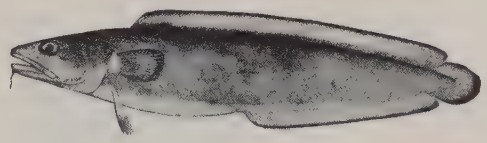
CRAPPIE
RANGE - FRESH-WATER LAKES
GEAR - HAUL SEINES, LINES, POTS

CREVALLE
RANGE - SOUTH ATLANTIC AND GULF STATES
GEAR - HAUL SEINES, GILL NETS, LINES

CROAKER
RANGE - GULF OF MEXICO TO NEW YORK
GEAR - POUND NETS, OTTER TRAWLS, HAUL SEINES, GILL NETS



CUNNER
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS, HANDLINES



CUSK
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS, LONGLINES

DOLLY VARDEN TROUT
RANGE - PACIFIC
GEAR - POUND NETS, GILL NETS, LINES

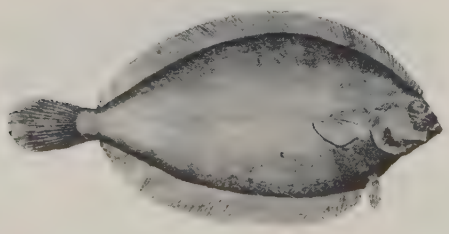
DOLPHIN
RANGE - FLORIDA TO NORTH CAROLINA
GEAR - TROLL LINES

DRUM, BLACK
RANGE - TEXAS TO NORTH CAROLINA
GEAR - HAUL SEINES, POUND NETS, LINES

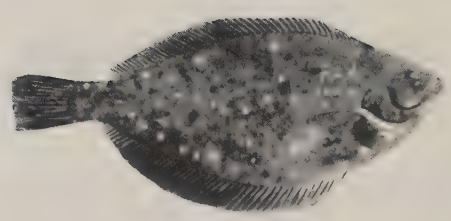
DRUM, RED
RANGE - TEXAS - MARYLAND
GEAR - POUND NETS, HAUL SEINES, GILL NETS, LINES

EEL, COMMON
RANGE - FLORIDA TO NEW ENGLAND AND IN MISSISSIPPI RIVER, LAKE ONTARIO
GEAR - POTS, SPEARS, POUND NETS

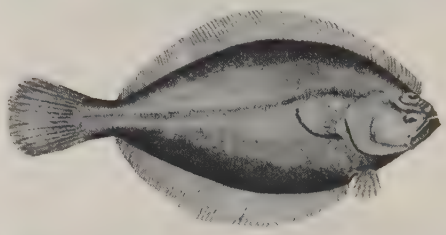
EEL, CONGER
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS



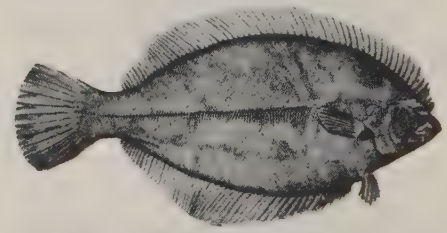
GRAY SOLE
RANGE - MASSACHUSETTS TO MAINE
GEAR - OTTER TRAWLS



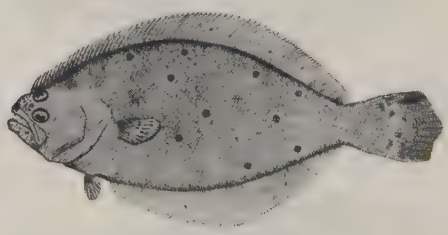
LEMON SOLE
RANGE - NEW YORK TO MAINE
GEAR - OTTER TRAWLS



DAB
RANGE - MASSACHUSETTS TO NOVA SCOTIA
GEAR - OTTER TRAWLS, LONGLINES



BLACKBACK OR WINTER FLOUNDER
RANGE - NORTH CAROLINA TO MAINE
GEAR - OTTER TRAWLS, POUND NETS, FYKE NETS, SPEARS, LINES



FLUKE
RANGE - TEXAS TO MASSACHUSETTS
GEAR - OTTER TRAWL, SPEARS, LINES

FLYING FISH
RANGE - PACIFIC AND ATLANTIC OCEANS
GEAR - GILL NETS

FRIGATE MACKEREL
RANGE - MIDDLE ATLANTIC
GEAR - POUND NETS

GARFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, LINES

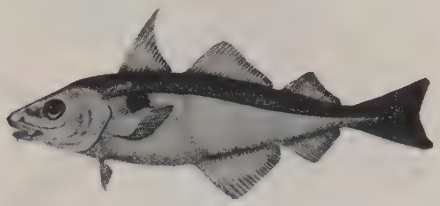
GIZZARD SHAD
RANGE - NORTH CAROLINA TO MARYLAND,
GREAT LAKES
GEAR - HAUL SEINES, POUND NETS, GILL NETS

GOLDFISH
RANGE - LAKES AND RIVERS
GEAR - HAUL SEINES, TRAP NETS, FYKE NETS

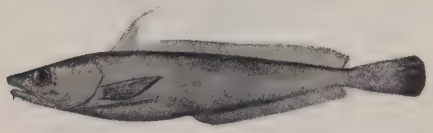
GRAYFISH
RANGE - PACIFIC
GEAR - LONGLINES, OTTER TRAWLS, GILL NETS

GROUPER
RANGE - TEXAS TO SOUTH CAROLINA
GEAR - HANDLINES, POTS

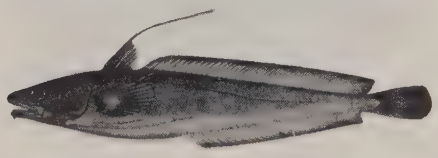
GRUNT
RANGE - FLORIDA
GEAR - POTS, GILL NETS, LINES



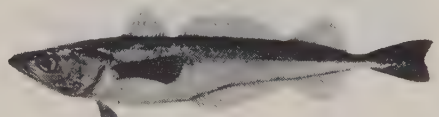
HADDOCK
RANGE - NEW ENGLAND STATES
GEAR - OTTER TRAWLS, GILL NETS, LONGLINES



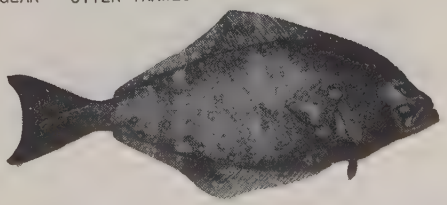
HAKE, RED
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - GILL NETS, OTTER TRAWLS, LONGLINES



HAKE, WHITE
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - GILL NETS, OTTER TRAWLS, LONGLINES

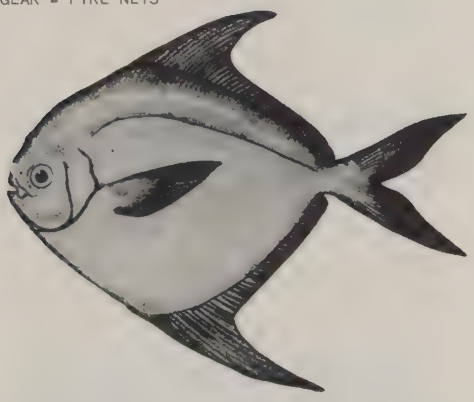


HAKE (PACIFIC)
RANGE - PACIFIC
GEAR - OTTER TRAWLS



HALIBUT
RANGE - PACIFIC COAST - NEW ENGLAND
GEAR - LONGLINES, OTTER TRAWLS

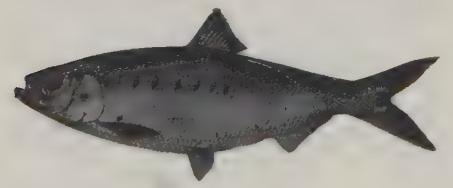
HARDHEAD
RANGE - CALIFORNIA
GEAR - FYKE NETS



HARVESTFISH OR "STARFISH"
RANGE - NORTH CAROLINA TO CHESAPEAKE BAY
GEAR - HAUL SEINES, POUND NETS

HERRING, LAKE
RANGE - GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, POUND NETS, TRAP NETS

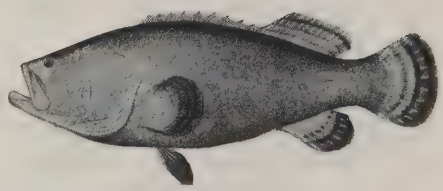
HERRING, SEA
RANGE - NEW JERSEY TO NEW ENGLAND, PACIFIC COAST STATES AND ALASKA
GEAR - PURSE SEINES, WEIRS, FLOATING TRAPS, STOP SEINES



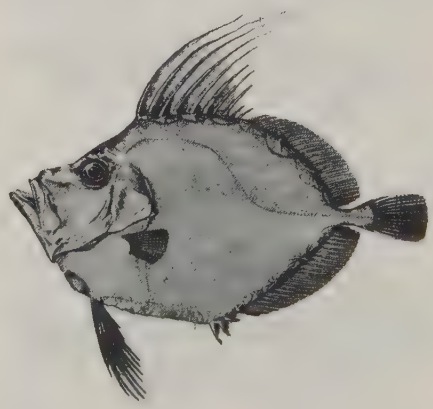
HICKORY SHAD
RANGE - FLORIDA TO RHODE ISLAND
GEAR - POUND NETS, HAUL SEINES, GILL NETS FLOATING TRAPS

HOGCHOKER
RANGE - CHESAPEAKE BAY
GEAR - POUND NETS, HAUL SEINES

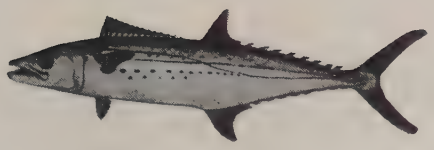
HOGFISH
RANGE - FLORIDA
GEAR - LINES



JEWFISH
RANGE - FLORIDA
GEAR - HANDLINES



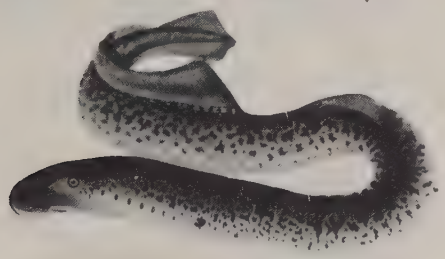
JOHN DORY
RANGE - MIDDLE ATLANTIC STATES
GEAR - OTTER TRAWLS



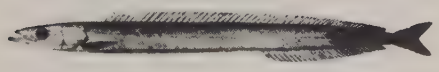
KING MACKEREL
RANGE - TEXAS TO NEW YORK
GEAR - TROLL LINES, GILL NETS, HANDLINES

KING WHITING
RANGE - TEXAS TO MASSACHUSETTS
GEAR - OTTER TRAWLS, HAUL SEINES, POUND NETS

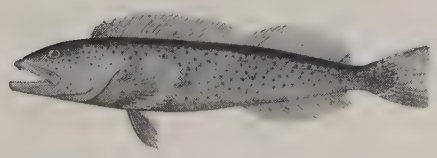
LAKE TROUT
RANGE - GREAT LAKES
GEAR - GILL NETS, LINES, POUND NETS (TRAP NETS)



LAMPREY
RANGE - FRESH-WATER
GEAR - POTS, FYKE NETS



LAUNCE
RANGE - NEW ENGLAND
GEAR - HAUL SEINES



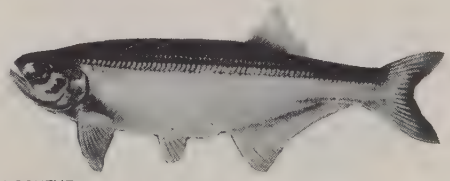
LINGCOD
RANGE - CALIFORNIA TO ALASKA
GEAR - OTTER TRAWLS, LONGLINES, HANDLINES

MACKEREL, ATLANTIC
RANGE - CHESAPEAKE BAY TO MAINE
GEAR - PURSE SEINES, GILL NETS, POUND NETS,
FLOATING TRAPS

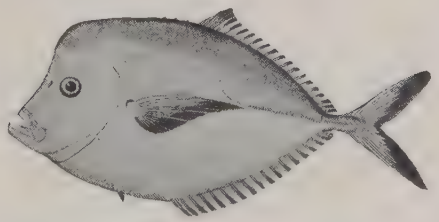
MACKEREL, JACK
RANGE - CALIFORNIA
GEAR - LINES, SEINES, LAMPARA NETS

MACKEREL, PACIFIC
RANGE - CALIFORNIA
GEAR - LINES, SEINES, LAMPARA NETS

MENHADEN
RANGE - GULF OF MEXICO TO NEW ENGLAND
GEAR - PURSE SEINES, POUND NETS



MOONEYE
RANGE - GREAT LAKES
GEAR - HAUL SEINES

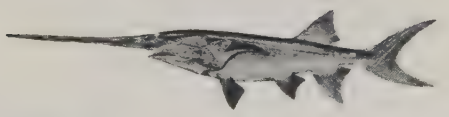


MOONFISH
RANGE - FLORIDA
GEAR - HANDLINES, HAUL SEINES

MULLET
RANGE - TEXAS TO NEW JERSEY
GEAR - GILL NETS, HAUL SEINES, POUND NETS, CAST NETS

OCEAN POUT
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS

OCEAN PERCH
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS



PADDLEFISH
RANGE - GULF OF MEXICO, MISSISSIPPI RIVER
GEAR - HAUL SEINES, TROTLINES

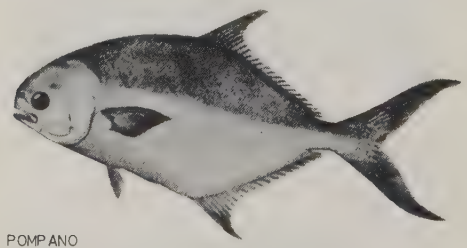
PIGFISH
RANGE - FLORIDA
GEAR - POTS, HANDLINES, GILL NETS

PIKE OR PICKEREL
RANGE - FRESH-WATER
GEAR - TRAP NETS, FYKE NETS, GILL NETS, POUND NETS, HANDLINES

SARDINE, PACIFIC (PILCHARD)
RANGE - CALIFORNIA TO WASHINGTON
GEAR - PURSE SEINES, LAMPARA AND RING NETS, GILL NETS

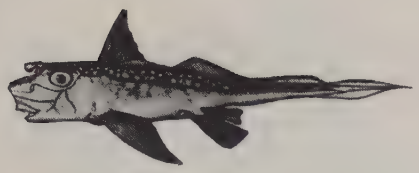
PINFISH
RANGE - FLORIDA TO NORTH CAROLINA
GEAR - HAUL SEINES, GILL NETS

POLLOCK
RANGE - MIDDLE ATLANTIC AND NEW ENGLAND STATES
GEAR - LONGLINES, FLOATING TRAPS, POUND NETS, OTTER TRAWLS, GILL NETS



POMPANO
RANGE - TEXAS TO NORTH CAROLINA
GEAR - TRAMMEL NETS, HAUL SEINES, GILL NETS, HANDLINES

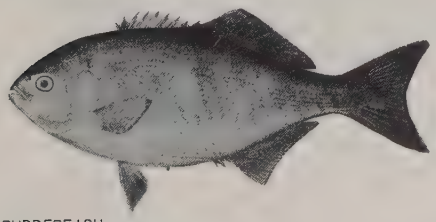
QUILLBACK
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TROTLINES, FYKE NETS



RATFISH
RANGE - WASHINGTON TO ALASKA
GEAR - BEAM TRAWLS, LONGLINES

ROCK BASS
RANGE - GREAT LAKES
GEAR - TRAP NETS, FYKE NETS, HAUL SEINES, GILL NETS

ROCKFISH
RANGE - CALIFORNIA TO ALASKA
GEAR - LINES, OTTER TRAWLS, PARANZELLA NETS, GILL NETS



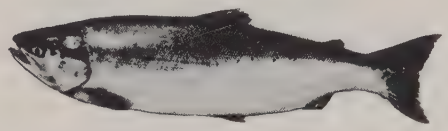
RUDDERFISH
RANGE - CALIFORNIA
GEAR - LAMPARA AND RING NETS

SABLEFISH
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - LONGLINES, OTTER TRAWLS

SALMON, CHINOOK OR KING
RANGE - CALIFORNIA TO ALASKA
GEAR - POUND NETS, PURSE SEINES, GILL NETS, HAUL SEINES, TROLL LINES, REEF NETS

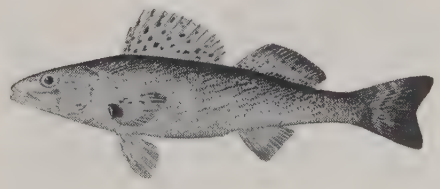
SALMON, CHUM OR KETA
RANGE - OREGON TO ALASKA
GEAR - POUND NETS, PURSE SEINES, GILL NETS, HAUL SEINES, REEF NETS

SALMON, PINK
RANGE - WASHINGTON TO ALASKA
GEAR - PURSE SEINES, POUND NETS, GILL NETS REEF NETS



SALMON, RED OR SOCKEYE
RANGE - OREGON TO ALASKA
GEAR - GILL NETS, PURSE SEINES, POUND NETS, REEF NETS

SALMON, SILVER OR COHO
RANGE - CALIFORNIA TO ALASKA
GEAR - HAUL SEINES, PURSE SEINES, GILL NETS, TROLL LINES, POUND NETS, REEF NETS

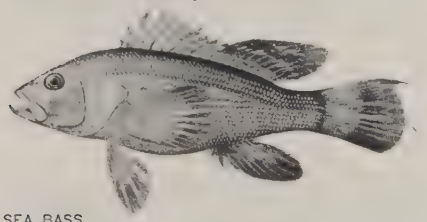


SAUGER
RANGE - GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, TRAP NETS, FYKE NETS

774-757 O-65-33

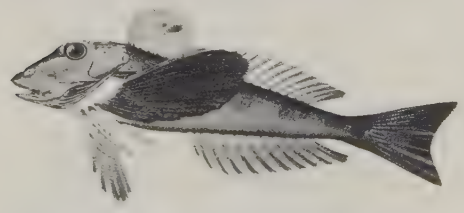
SCULPIN
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - LINES, GILL NETS, POTS

SCUP OR PORGY
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS, POUND NETS

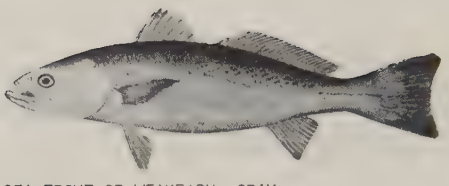


SEA BASS
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS, HANDLINES, POTS

SEA CATFISH
RANGE - TEXAS TO CHESAPEAKE BAY
GEAR - OTTER TRAWLS, HAUL SEINES, HANDLINES



SEA ROBIN
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, OTTER TRAWLS



SEA TROUT OR WEAKFISH, GRAY
RANGE - FLORIDA TO MASSACHUSETTS
GEAR - OTTER TRAWLS, POUND NETS, PURSE SEINES,
GILL NETS, HAUL SEINES

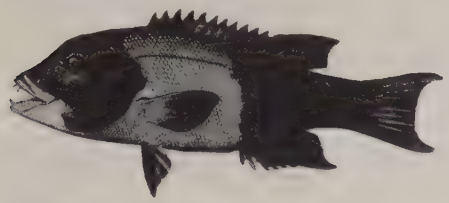
SEA TROUT OR WEAKFISH, SPOTTED
RANGE - MARYLAND TO TEXAS
GEAR - GILL NETS, TRAMMEL NETS, HAUL SEINES,
POUND NETS, OTTER TRAWLS, HANDLINES

SEA TROUT OR WEAKFISH, WHITE
RANGE - GULF OF MEXICO
GEAR - GILL NETS, HAUL SEINES, HANDLINES

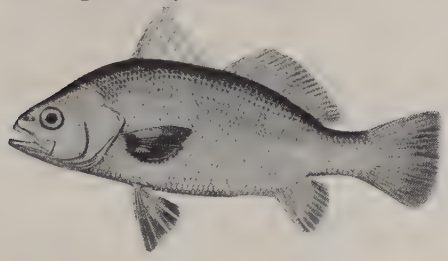
SHAD
RANGE - FLORIDA TO NEW ENGLAND
GEAR - GILL NETS, POUND NETS, FYKE NETS,
HAUL SEINES

SHARK
RANGE - ATLANTIC COAST, GULF, PACIFIC COAST STATES
GEAR - LONGLINES, GILL NETS, OTTER TRAWLS

SHEEPSHEAD
RANGE - TEXAS TO CHESAPEAKE BAY
GEAR - HANDLINES, POTS

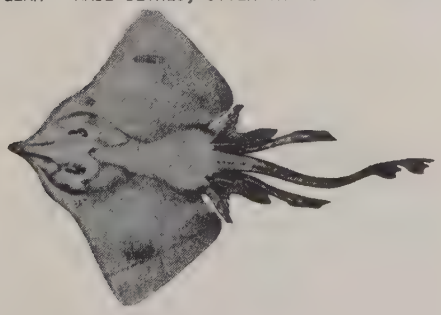


SHEEPSHEAD, CALIFORNIA
RANGE - CALIFORNIA
GEAR - LONGLINES, TRAMMEL NETS



SAND PERCH
RANGE - TEXAS TO NEW YORK
GEAR - HAUL SEINES, GILL NETS, POUND NETS

SILVERSIDES
RANGE - NEW YORK
GEAR - HAUL SEINES, OTTER TRAWLS



SKATE
RANGE - PACIFIC COAST, CHESAPEAKE BAY TO NEW ENGLAND
GEAR - LINES, OTTER TRAWLS, POUND NETS, HAUL SEINES

SKIPPER
RANGE - VIRGINIA TO NOVA SCOTIA
GEAR - POUND NETS, WEIRS

SMELT
RANGE - NEW YORK TO MAINE, PACIFIC OCEAN,
GREAT LAKES
GEAR - POUND NETS, DIP NETS, GILL NETS, HAUL SEINES

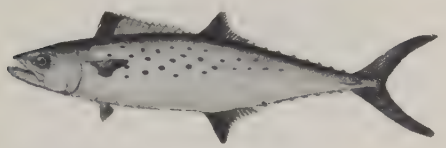
SNAPPER, MANGROVE
RANGE - FLORIDA
GEAR - HANDLINES, GILL NETS

SNAPPER, LANE
RANGE - FLORIDA
GEAR - HANDLINES

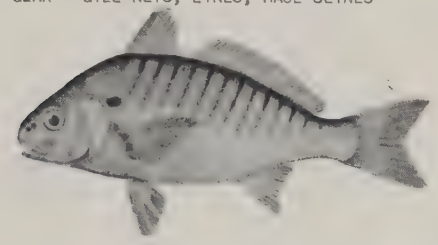
SNAPPER, RED
RANGE - TEXAS TO FLORIDA
GEAR - HANDLINES

SNOOK
RANGE - TEXAS TO FLORIDA
GEAR - GILL NETS, HANDLINES, HAUL SEINES

SPADEFISH
RANGE - FLORIDA
GEAR - GILL NETS, TRAMMEL NETS



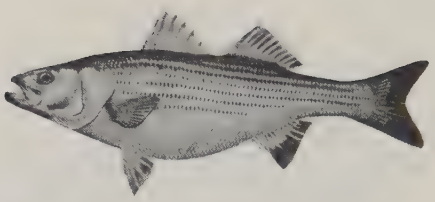
SPANISH MACKEREL
RANGE - TEXAS TO VIRGINIA
GEAR - GILL NETS, LINES, HAUL SEINES



SPOT
RANGE - GULF OF MEXICO TO MIDDLE ATLANTIC STATES
GEAR - HAUL SEINES, GILL NETS, POUND NETS,
OTTER TRAWLS

SQUAWFISH
RANGE - CALIFORNIA
GEAR - FYKE NETS, GILL NETS

STEELHEAD TROUT
RANGE - OREGON TO ALASKA
GEAR - HAUL SEINES, POUND NETS, GILL NETS,
LINES, DIP NETS

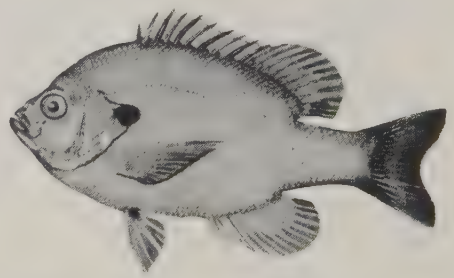


STRIPED BASS
RANGE - NORTH CAROLINA TO NEW ENGLAND, CALIFORNIA
TO OREGON
GEAR - HAUL SEINES, GILL NETS, POUND NETS,
HANDLINES, FYKE NETS

STURGEON
RANGE - COASTAL AND RIVER AREAS
GEAR - GILL NETS, LINES

STURGEON, SHOVELNOSE
RANGE - FRESH-WATER
GEAR - HAUL SEINES, LINES, POUND NETS

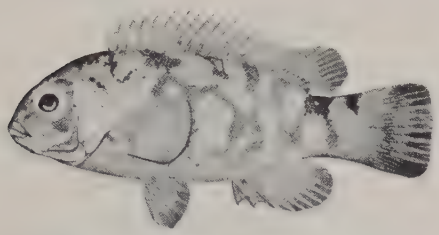
SUCKER
RANGE - FRESH-WATER
GEAR - POUND NETS, FYKE NETS, GILL NETS,
HAUL SEINES, TRAP NETS



SUNFISH
RANGE - FRESH-WATER
GEAR - POTS, SEINES, TRAP NETS

SWELLFISH
RANGE - CHESAPEAKE BAY TO MIDDLE ATLANTIC
GEAR - POUND NETS, HAUL SEINES, OTTER TRAWLS

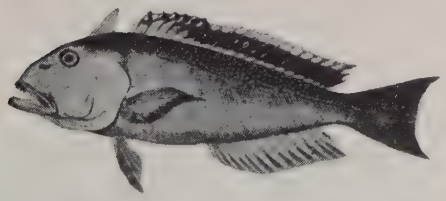
SWORDFISH
RANGE - NEW ENGLAND AND CALIFORNIA
GEAR - HARPOONS



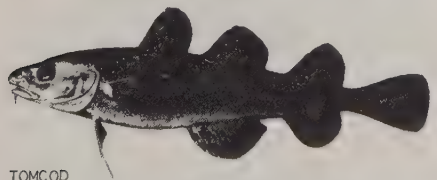
TAUTOG
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, HANDLINES, POTS

TENPOUNDER
RANGE - FLORIDA
GEAR - HAUL SEINES

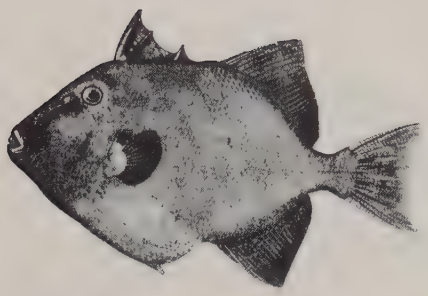
THIMBLE-EYED MACKEREL
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, PURSE SEINES, OTTER TRAWLS



TILEFISH
RANGE - MIDDLE ATLANTIC AND NEW ENGLAND STATES
GEAR - LONGLINES, REEF NETS, OTTER TRAWLS



TOMCOD
RANGE - PACIFIC COAST, MIDDLE ATLANTIC AND
NEW ENGLAND STATES
GEAR - OTTER TRAWLS, DIP NETS



TRIGGERFISH
RANGE - FLORIDA
GEAR - HANDLINES

TRIPLETAIL
RANGE - FLORIDA
GEAR - HAUL SEINES, GILL NETS, LINES

TUNA, ALBACORE
RANGE - PACIFIC COAST
GEAR - LINES

TUNA, BLUEFIN
RANGE - CALIFORNIA, NEW JERSEY TO MAINE
GEAR - PURSE SEINES, LAMPARA NETS, TROLL LINES,
POUND NETS, HARPOONS

TUNA, LITTLE
RANGE - MASSACHUSETTS TO TEXAS
GEAR - POUND NETS, TROLL LINES, OTTER TRAWLS

TUNA, SKIPJACK
RANGE - CALIFORNIA
GEAR - LINES AND PURSE SEINES

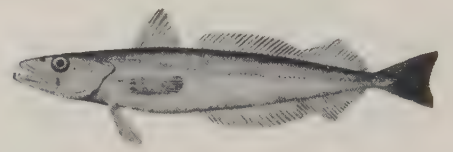
TUNA, YELLOWFIN
RANGE - PACIFIC
GEAR - LINES AND PURSE SEINES

WHITE BASS
RANGE - GREAT LAKES
GEAR - TRAP NETS, FYKE NETS, HAUL SEINES, POUND NETS

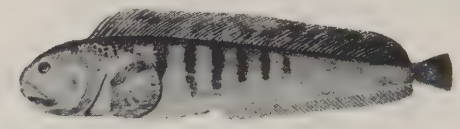
WHITEFISH, COMMON
RANGE - GREAT LAKES
GEAR - GILL NETS, POUND NETS, TRAP NETS

WHITEFISH, MENOMINEE
RANGE - ALASKA, GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, TRAP NETS, POUND NETS

WHITE PERCH
RANGE - NORTH CAROLINA TO MAINE
GEAR - POUND NETS, FYKE NETS, HAUL SEINES



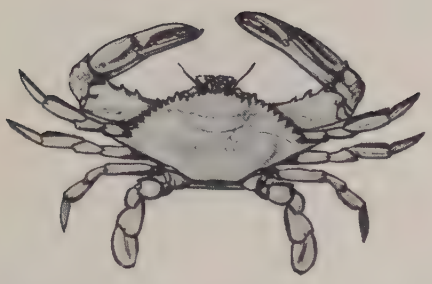
WHITING
RANGE - VIRGINIA TO MAINE
GEAR - OTTER TRAWLS, POUND NETS



WOLFFISH
RANGE - MASSACHUSETTS AND MAINE
GEAR - OTTER TRAWLS, LONGLINES

YELLOW PERCH
RANGE - GREAT LAKES, OTHER LAKES
GEAR - GILL NETS, TRAP NETS, POUND NETS, FYKE NETS

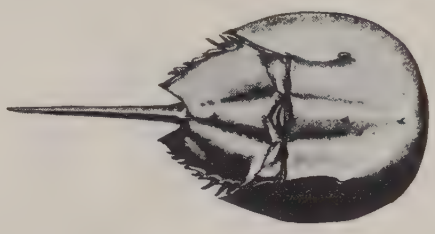
YELLOW PIKE
RANGE - GREAT LAKES
GEAR - POUND NETS, FYKE NETS, GILL NETS, TRAP NETS



BLUE CRAB
RANGE - TEXAS TO RHODE ISLAND
GEAR - TROTLINES, POTS, FYKE NETS, DIP NETS, SCRAPES, DREDGES

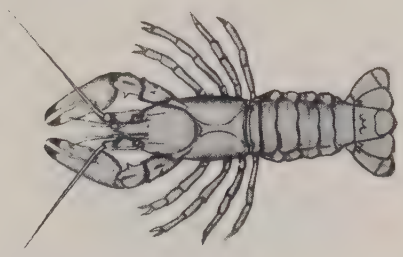
STONE CRAB
RANGE - FLORIDA
GEAR - DIP NETS, CRAB POTS

DUNGENESS CRAB
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - TRAPS



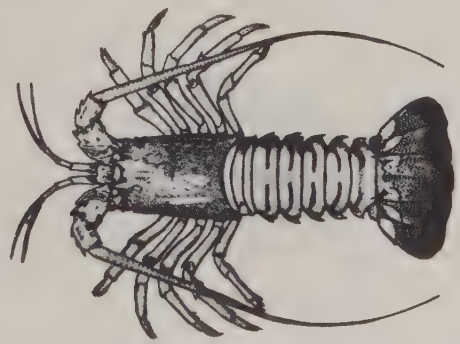
HORSESHOE CRAB
RANGE - MARYLAND TO NEW YORK
GEAR - POUND NETS, WEIRS, BY HAND

KING CRAB
RANGE - ALASKA
GEAR - OTTER TRAWLS



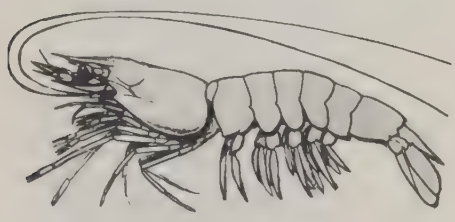
FRESH-WATER CRAWFISH
RANGE - RIVERS AND LAKES
GEAR - POTS

ROCK CRAB
RANGE - NEW ENGLAND
GEAR - POTS



SPINY LOBSTER
RANGE - CALIFORNIA AND FLORIDA
GEAR - DIP NETS, POTS, HOOKS

LOBSTER, NORTHERN
RANGE - VIRGINIA TO MAINE
GEAR - POTS, OTTER TRAWLS

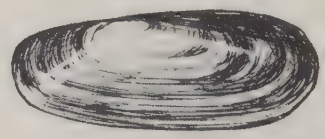


SHRIMP
RANGE - TEXAS TO NORTH CAROLINA, MAINE, CALIFORNIA, WASHINGTON, AND ALASKA
GEAR - SHRIMP TRAWLS

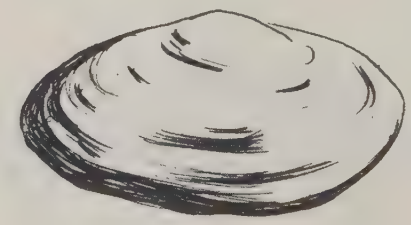
BUTTER CLAM
RANGE - PACIFIC COAST
GEAR - SHOVELS

LITTLE NECK CLAM
RANGE - PACIFIC COAST
GEAR - SHOVELS

HARD CLAM
RANGE - FLORIDA TO MAINE
GEAR - HOES, DREDGES, TONGS, RAKES, BY HAND

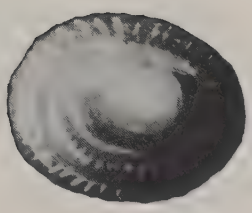


RAZOR CLAM, PACIFIC
RANGE - OREGON, WASHINGTON AND ALASKA
GEAR - SHOVELS

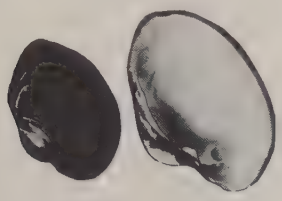


SOFT CLAM
RANGE - MIDDLE ATLANTIC TO NEW ENGLAND, PACIFIC COAST STATES
GEAR - FORKS, HOES, RAKES, DREDGES

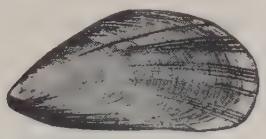
CONCH
RANGE - FLORIDA TO MAINE
GEAR - OTTER TRAWLS, DREDGES, POTS, AND BY HAND



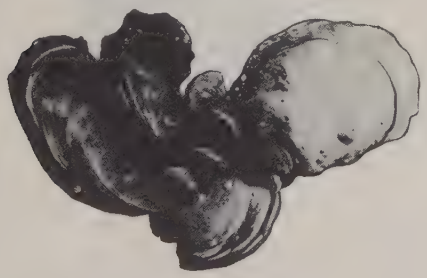
LIMPET
RANGE - NEW YORK AND NEW ENGLAND
GEAR - DREDGES



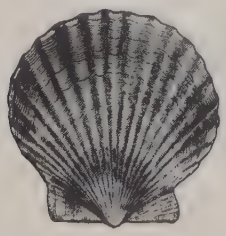
FRESH-WATER MUSSEL
RANGE - FRESH-WATER STREAMS
GEAR - CROWFOOT BARS, PICKS, HAND



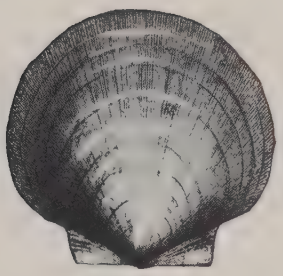
SEA MUSSEL
RANGE - NORTH CAROLINA TO MAINE
GEAR - DREDGES, TONGS, RAKES, HAND



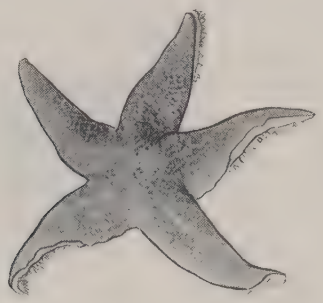
OYSTER
RANGE - TEXAS TO MASSACHUSETTS, PACIFIC COAST
GEAR - TONGS, DREDGES, RAKES, BY HAND



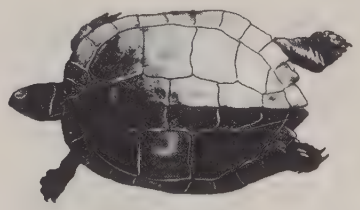
BAY SCALLOP
RANGE - FLORIDA TO MASSACHUSETTS, WASHINGTON
GEAR - DREDGES, SCRAPES, PUSH NETS, TONGS, RAKES, DIP NETS



SEA SCALLOP
RANGE - NEW JERSEY TO MAINE
GEAR - DREDGES, OTTER TRAWLS

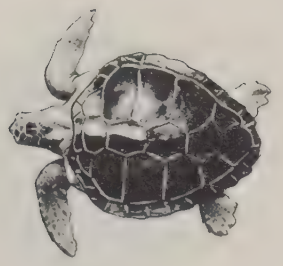


STARFISH
RANGE - ATLANTIC AND PACIFIC COAST
GEAR - HOOKS, SCRAPES, "MOPS"



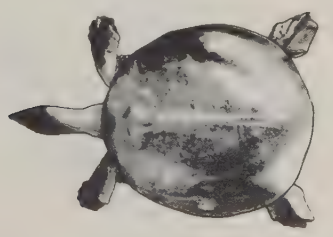
TERRAPIN
RANGE - TEXAS TO NEW JERSEY
GEAR - HAUL SEINES, BY HAND

GREEN TURTLE
RANGE - FLORIDA
GEAR - GILL NETS

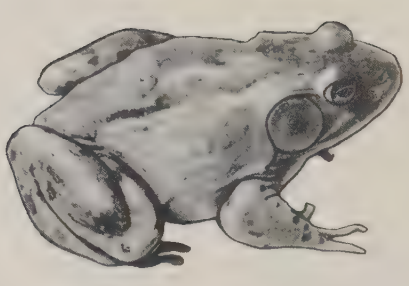


LOGGERHEAD TURTLE
RANGE - FLORIDA TO NEW JERSEY
GEAR - GILL NETS

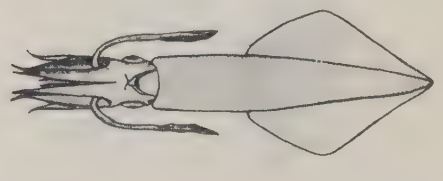
HAWKSBILL TURTLE
RANGE - GULF OF MEXICO, AND ATLANTIC COAST
TO NEW YORK
GEAR - BY HAND, POUND NETS



SOFT-SHELL TURTLE
RANGE - LAKES AND RIVERS
GEAR - HAUL SEINES, FYKE NETS, POTS



FROG
RANGE - FRESH-WATER, MARSHES, POND
GEAR - SPEARS, GRABS



SQUID
RANGE - VIRGINIA TO MAINE, CALIFORNIA AND
WASHINGTON
GEAR - LAMPARA NETS, GILL NETS, OTTER TRAWLS,
POUND NETS

SPONGE
RANGE - FLORIDA
GEAR - HOOKS, DIVING OUTFITS

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